

1 FOOD AND DRUG ADMINISTRATION
2 CENTER FOR TOBACCO PRODUCTS
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5 TOBACCO PRODUCTS SCIENTIFIC ADVISORY COMMITTEE
6 (TPSAC)
7
8

9 Thursday, July 21, 2011

10 9:15 a.m. to 12:15 p.m.
11

12 Morning Session
13

14 9200 Corporate Boulevard

15 Rockville, Maryland
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20 **This transcript has not been edited or corrected,**
21 **but appears as received from the commercial**
22 **transcribing service.**

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P R O C E E D I N G S

(9:16 a.m.)

Call to Order

DR. SAMET: Good morning. I think we will go ahead and get started with our meeting. We're anticipating the arrival of one more committee member.

I'm Jon Samet, the chair of the Tobacco Products Scientific Advisory Committee. Good morning to everyone and thank you for joining us. I will note this reminds me of TPSAC meetings from a year ago when we were anticipating that a temperature record would be broken.

I wanted to make a few statements, then we'll introduce the committee.

For topics such as those being discussed at today's meeting, there are often a variety of opinions, some of which are quite strongly held. Our goal is that today's meeting will be a fair and open forum for discussion of these issues and that individuals can express their views without interruption. Thus, as a gentle reminder,

1 individuals will be allowed to speak into the
2 record only if recognized by the chair. We look
3 forward to a productive meeting.

4 In the spirit of the Federal Advisory
5 Committee Act and the Government in the Sunshine
6 Act, we ask that the advisory committee members
7 take care that the conversations about the topics
8 at hand take place in the open forum of the
9 meeting. We are aware that members of the media
10 are anxious to speak with the FDA about these
11 proceedings. However, FDA will refrain from
12 discussing the details of this meeting with the
13 media until its conclusion.

14 Also, the committee is reminded to please
15 refrain from discussing the meeting topics during
16 breaks.

17 Thank you. And let me turn to Caryn Cohen
18 for the conflict of interest statement.

19 **Conflict of Interest Statement**

20 MS. COHEN: The Food and Drug Administration
21 is convening today's meeting of the Tobacco
22 Products Scientific Advisory Committee under the

1 authority of the Federal Advisory Committee Act of
2 1972.

3 With the exception of the industry
4 representatives, all members and non-voting members
5 are special government employees or regular federal
6 employees from other agencies and are subject to
7 federal conflict of interest laws and regulations.

8 The following information on the status of
9 this committee's compliance with federal ethics and
10 conflict of interest laws, covered by, but not
11 limited to, those found at 18 USC Section 208 and
12 Section 712 of the Federal Food, Drug, and Cosmetic
13 Act, is being provided to participants in today's
14 meeting and to the public.

15 FDA has determined that members of this
16 committee are in compliance with federal ethics and
17 conflict of interest laws. Under 18 USC Section
18 208, Congress has authorized FDA to grant waivers
19 to special government employees and regular federal
20 employees who have potential financial conflicts
21 when it is determined that the agency's need for a
22 particular individual's services outweighs his or

1 her potential financial conflict of interest.

2 Under Section 712 of the FD&C Act, Congress
3 has authorized FDA to grant waivers to special
4 government employees and regular federal employees
5 with potential conflicts of interest when necessary
6 to afford the committee essential expertise.

7 Related to the discussion of today's
8 meeting, members of this committee have been
9 screened for potential financial conflicts of
10 interest of their own, as well as those imputed to
11 them, including those of their spouses or minor
12 children, and, for purposes of 18 USC Section 208,
13 their employers.

14 These interests may include investments,
15 consulting, expert witness testimony, contracts,
16 grants, CRADAs, teaching, speaking, writing,
17 patents and royalties, and primary employment.

18 Today's agenda involves changes proposed by
19 the committee members to the TPSAC monthly report
20 submitted to the agency on March 18th, 2011.

21 This is a particular matters meeting during
22 which general issues will be discussed. Based on

1 the agenda for today's meeting and all financial
2 interests reported by committee members, no
3 conflict of interest waivers have been issued in
4 connection with this meeting. To ensure
5 transparency, we encourage all committee members to
6 disclose any public statements they have made
7 concerning the issue before this committee meeting.

8 With respect to FDA's invited industry
9 representatives, we would like to disclose that
10 Drs. Daniel Heck and John Lauterbach and Mr. Arnold
11 Hamm are participating in this meeting as
12 non-voting industry representatives, acting on
13 behalf of the interests of the tobacco
14 manufacturing industry, the small business tobacco
15 manufacturing industry, and tobacco growers,
16 respectively.

17 Their role at this meeting is to represent
18 these industries in general and not any particular
19 company. Dr. Heck is employed by Lorillard Tobacco
20 Company, Dr. Lauterbach is employed by Lauterbach &
21 Associates, LLC, and Mr. Hamm is retired. FDA
22 encourages all other participants to advise the

1 committee of any financial relationships that they
2 may have with any firms at issue.

3 I'd like to remind everyone present to
4 please turn off your cell phones. In this room, we
5 need you to turn them off completely; otherwise, we
6 get feedback with the microphones, and also ask you
7 not to access the Internet while you're in this
8 room. If you are on the phone calling in to
9 participate, please keep your phones on mute unless
10 you are speaking.

11 I would now like to identify the FDA press
12 contacts, Michelle Bolek -- if you're here, please
13 stand up -- and Jeffrey Ventura.

14 Thank you.

15 **Introduction of Committee Members**

16 DR. SAMET: Okay. Let me ask then the
17 committee to introduce themselves. Dan, let's
18 start with you, across the way.

19 DR. HECK: I'm Dan Heck, with the Lorillard
20 Tobacco Company, representing the tobacco
21 manufacturers.

22 DR. LAUTERBACH: John Lauterbach, Lauterbach

1 & Associates, representing the small business
2 tobacco manufacturers.

3 MR. HAMM: Arnold Hamm, representing U.S.
4 tobacco growers.

5 DR. DJORDJEVIC: Mirjana Djordjevic, with
6 the National Cancer Institute, representing the
7 National Institutes of Health.

8 MS. SHELTON: Good morning. Dana Shelton,
9 from CDC, sitting in for Tim McAfee.

10 DR. DEYTON: Good morning. Lawrence Deyton,
11 Center for Tobacco Products.

12 DR. ASHLEY: David Ashley, Center for
13 Tobacco Products.

14 DR. HUSTEN: Corinne Husten, Center for
15 Tobacco Products.

16 DR. NEZ HENDERSON: Patricia Nez Henderson,
17 Black Hills Center for American Indian Health.

18 DR. HENNINGFIELD: Jack Henningfield. I'm
19 with Pinney Associates and the Johns Hopkins
20 University of Medicine.

21 DR. BENOWITZ: Neal Benowitz, University of
22 California-San Francisco.

1 MS. DELEEUEW: Karen DeLeeuw, Colorado
2 Department of Public Health and Environment,
3 representing state government.

4 DR. SAMET: Let's see. And on the phone I
5 think we have Melanie.

6 DR. WAKEFIELD: Yes. Melanie Wakefield.
7 I'm with the Cancer Council Victoria in Melbourne,
8 Australia.

9 DR. SAMET: And, Dorothy?

10 DR. HATSUKAMI: Yes. I'm Dorothy Hatsukami,
11 from the University of Minnesota.

12 DR. SAMET: And, Mark?

13 DR. CLANTON: Mark Clanton, pediatrics,
14 public health, and oncology.

15 DR. SAMET: Great. So let me turn then to
16 Corinne for your opening remarks.

17 **Opening Remarks - Corinne Husten**

18 DR. HUSTEN: Good morning, everyone. As you
19 can see from the agenda, the morning session is
20 devoted to the menthol report. As you know from
21 previous meetings, the charge to the TPSAC is to
22 produce a report and recommendations on the impact

1 of the use of menthol in cigarettes on public
2 health, including such use among children, African
3 Americans, Hispanics, and other racial and ethnic
4 minorities.

5 As you recall, on the March 18th meeting,
6 TPSAC produced -- and I am sorry. I'm supposed to
7 be running the slides here. So the charge to the
8 TPSAC.

9 So as you recall, for the March 18th
10 meeting, TPSAC produced a draft report that was
11 discussed at the meeting and then sent a report to
12 FDA on March 23rd, 2011 that had some proposed
13 changes in it, and those changes were from the
14 chapter authors and the science writer. They
15 write, "Conclusions and recommendations of the
16 report were unchanged, but there was some addition
17 of studies or scientific information."

18 In addition, TPSAC received public comments
19 on the March 23rd report, and we'll have more
20 comments today in the open public hearing.

21 So FDA is asking the committee to discuss
22 the changes in the report and the public comments

1 received about the report, and determine if they
2 wish to make any further changes to the report.
3 And then the committee will be asked to vote on the
4 report, which will reflect any and all changes
5 based on discussion today. And we'll be making
6 those changes, if there are any, in real-time here
7 during the meeting.

8 So as has been mentioned before, what is the
9 plan forward? FDA will review, and has been
10 reviewing, the version of the report that we have,
11 the industry prospective document and the public
12 submissions, and FDA has also been conducting an
13 independent review of the available science.

14 FDA will submit its draft review to an
15 external peer review panel in July. And just for
16 those of you that aren't familiar with the federal
17 process, that's a standard government process used
18 before dissemination of certain influential
19 scientific information, and will make the results
20 of both the peer review and the preliminary
21 scientific assessment available for public comment
22 in the Federal Register.

1 Then going forward, FDA will make a
2 determination about what action or actions, if any,
3 are warranted. There is no required deadline or
4 timeline for FDA to make such a determination, but
5 I should point out that any sales or distribution
6 restrictions or product standards would be
7 implemented through notice-and-comment rulemaking.

8 Are there any clarifying questions?

9 [No response.]

10 DR. SAMET: So let me just restate what
11 we're going to do and make sure we all have a
12 common understanding. We are revisiting the
13 menthol report, which I know everyone had hoped we
14 were probably done with, but here it is back. And
15 as everyone will remember, a great deal of work was
16 done by TPSAC at the end to complete the report
17 and, particularly, I think, bringing it to proper
18 editorial form.

19 We had input from the science writer, and I
20 think what we will do now is have an opportunity to
21 have additional discussion about the changes that
22 were made as the report was brought to its status

1 as of March 18th, our meeting, at the time.

2 We've been provided with this annotated
3 version that I think very carefully shows the
4 changes that were made from the original version
5 distributed for public comment in advance of the
6 March 18th-19th meeting, so that we had the
7 opportunity to discuss those changes.

8 We are going to do that now. Then we're
9 going to have what apparently will be a brief
10 public hearing. And then we're going to go on to
11 look at the two specific -- at the additional
12 specific questions, which are responses to the
13 public comments and whether we've heard additional
14 things that we feel need to be considered and
15 incorporated.

16 We're going to look at the recommendation
17 that was made, and then, finally, we're actually
18 going to vote --

19 DR. HUSTEN: Yes.

20 DR. SAMET: -- just to get everyone to that.
21 And then we have lunch, and we'll reconvene on the
22 dissolvables in the afternoon.

1 So at this point, our task really is to look
2 at what was provided to us and have a general
3 discussion, essentially, of this annotated draft
4 and changes that have been made.

5 DR. HUSTEN: Yes, the changes between what
6 was released on the 18th and what was submitted to
7 FDA on March 23rd.

8 DR. SAMET: And then just the reminder is I
9 think Corinne provided a description of the process
10 now that FDA has entered into, what is a standard
11 approach to their own report and peer review of
12 that report.

13 So let me ask. Are there questions for
14 Corinne before we move on?

15 Dan?

16 DR. HECK: Yes, just a little point of
17 clarification. Is this report subject to further
18 modification, updating, refinement, whatever, down
19 the road, or will this indeed close the book on
20 this particular report?

21 DR. HUSTEN: This would close the book on
22 this report. Certainly, the topic could come back

1 before the committee at FDA's discretion in the
2 future, if there was no research or additional
3 information or we had other questions that we
4 wanted the committee to address.

5 DR. SAMET: Okay. Other questions? Anyone
6 on the phone, questions?

7 [No response.]

8 **Committee Discussion**

9 DR. SAMET: Okay, good. Thanks.

10 Then what I'm going to suggest that we do is
11 look at the changes and, again, as you look at the
12 document, the extent of the changes varies and some
13 of the changes that are here are editorial, some
14 represented rearrangements of text, and some of
15 this was wordsmithing, but some of it was more
16 substantive.

17 I think just to maybe keep us a little bit
18 organized, I think one thought would be to just go
19 through, in general, chapter by chapter and see if
20 there are any comments that anyone wants to make as
21 we do so.

22 So why don't we do that just to make sure we

1 go through the whole report? So if everyone has
2 this blue volume in hand, I think that would be a
3 good way to keep us organized.

4 So we have a preface, with some updating of
5 some minor details, and then the introductory
6 chapter, which, in fact, has no annotations, so
7 Chapter 1.

8 Then Chapter 2, which describes our approach
9 to our charge, again, this is where we set out the
10 general framework and the general approach to
11 evidence review. Again, there were relatively few
12 changes marked here.

13 Chapter 3, which was the physiological
14 effects of menthol cigarettes --

15 DR. BENOWITZ: I just have one comment on
16 page 20. There is some redacted material, and then
17 there's sort of part of a sentence. And it seemed
18 to me that if the bulk of the sentence is redacted,
19 then the first part should be dropped as well,
20 because it doesn't help. It doesn't add anything.

21 DR. SAMET: So you're referring to the line
22 in red that says "Altria studies."

1 DR. BENOWITZ: Yes.

2 DR. SAMET: Yes.

3 DR. BENOWITZ: Because without the rest of
4 the sentence, that's meaningless. So I suggest we
5 just drop that.

6 DR. SAMET: Yes, it's a little --

7 Jack?

8 DR. HENNINGFIELD: From my perspective, the
9 fact that they were doing the trigeminal studies,
10 as far as I know, that's public record, and so it
11 was useful to have that there. But there's
12 material that can't be presented publicly. So
13 that's how I looked at it. Even though it's
14 awkward, if you were publishing this as a book
15 chapter, you wouldn't do that. But for a document,
16 I would support --

17 DR. SAMET: So let's ask. I think Corinne
18 is going to speak to the principle of redaction
19 here.

20 DR. HUSTEN: Well, yes, just to clarify a
21 little bit. Obviously, in an open public hearing,
22 if there's commercial or information that we

1 believe is commercial confidential, we redact it.
2 And I realize it's a little hard to say "What do
3 you think about this change" with part of the
4 sentence redacted, but I think what I'm hearing you
5 say is not to delete the sentence, but that it's
6 hard to comment on it since you don't have it.

7 So, Karen, I guess we should think through
8 if there's some way, if the committee needs to see
9 that sentence in the meeting.

10 DR. SAMET: I thought Neal's point was why
11 put in part of the sentence and then redact the
12 rest, and I think Jack's point is sort of the
13 opposite. It's saying that the study was
14 done -- here we are arguing over half a sentence.

15 But, actually, I think the question in my
16 mind is the more general one, which is when you do
17 the redaction, if a study exists that is commercial
18 confidential, why do you mention -- why is any part
19 of it mentioned? I guess that would be my comment.

20 I know you have a dark room somewhere where
21 people are doing this redaction, and perhaps --

22 DR. HUSTEN: I think, in general, the

1 principle is to redact as little as possible. So
2 they tend to just redact the actual commercial
3 confidential part. But I understand that it gives
4 you sort of an odd sentence here.

5 But I think, for me, the question, Karen, is
6 it's hard to comment in an open public hearing on
7 this change since it's redacted. So if you have
8 any --

9 DR. TEMPLETON-SOMERS: I'm not a redaction
10 expert. I'm looking desperately for our FOIA
11 people, but I don't think they're in the room.

12 DR. HUSTEN: No. But I guess the point is
13 how --

14 DR. TEMPLETON-SOMERS: There are some people
15 who will read an unredacted version. And so I
16 think it's important, if the material is relevant,
17 to leave it in. For redaction, though, we have to
18 make public anything that we can. So that's why
19 the partial sentence. Part of the sentence was
20 releasable.

21 DR. HUSTEN: And I guess the point for the
22 committee -- so the committee got unredacted

1 versions, correct?

2 DR. TEMPLETON-SOMERS: And the FDA will use
3 an unredacted version.

4 DR. HUSTEN: And so the question for the
5 committee is if you look at your unredacted
6 version, is there anything about this sentence that
7 you would want to change. And if so, okay. I
8 think I finally was able to say that in a clear
9 enough way.

10 So you have it. We can't share it with the
11 public. If you believe this sentence needs
12 alteration, you'll have to, I guess, tell us
13 privately, since it'll have to stay redacted.

14 So the question for the committee, I guess,
15 is do you feel like this needs to be changed over
16 what's in the version.

17 DR. SAMET: Yes, Dan?

18 DR. HECK: Of course, not having seen what's
19 redacted here, it's hard for me to tell. But I
20 found myself curious. I know that Altria presented
21 some -- in March, May, July, I don't remember
22 when -- some briefing slides on some of the

1 internal research in this area.

2 I gather the research mentioned here must be
3 additional studies that weren't presented publicly
4 in that briefing.

5 DR. HUSTEN: In general, if we could
6 determine that it had been published anyplace or
7 presented in a public meeting or, in some cases, we
8 asked the companies if they were willing to let us
9 make it public, then -- we made every effort to
10 make as much public as we could.

11 DR. SAMET: So it seems to me, in terms of a
12 text change, no one is arguing over whether this
13 should or should not be included, per se. It's
14 really the more general question of the process of
15 redaction.

16 So why don't we accept this? If somebody
17 has the unredacted version available and wants to
18 check it -- I think I have it on one or another
19 device in my iPad, but we can look it up. But I
20 think otherwise, there may be other examples of
21 this, I'm forewarned. So why don't we keep going
22 and see what else we see here.

1 So we're still with Chapter 3, and, again,
2 there are some text additions and one block of text
3 towards the end that was apparently inadvertently
4 left out that was reinserted, but generally minor
5 changes through Chapter 3.

6 If I remember right, Neal, you did a lot of
7 this.

8 Phone, if you have any comments, just speak
9 up, but otherwise, I'll take your silence as
10 indicating that you have nothing to add.

11 So anything else on Chapter 3?

12 [No response.]

13 DR. SAMET: Okay. Now, to Chapter 4,
14 Patterns of Menthol Cigarette Smoking. Again, this
15 is one with relatively minor changes.

16 Patricia?

17 DR. NEZ HENDERSON: Yes. I don't have
18 any -- this is our chapter and more editorial, so I
19 agree with it.

20 DR. SAMET: Other thoughts about Chapter 4?
21 Again, relatively little changes.

22 [No response.]

1 DR. SAMET: Then on to Chapter 5, marketing
2 and consumer perception. I think everybody
3 remembers this was a very lengthy chapter. For
4 this one, we do have comments sent by Melanie.

5 DR. WAKEFIELD: So, Jon, most of the edits
6 to this chapter are very minor. There was a larger
7 amount of text added on page 59, which I think was
8 contributed or suggested by Jack.

9 DR. SAMET: Let's see. Melanie, your
10 proposed suggestions and edits are up, but I guess
11 we have two slides' worth. It's the second slide.
12 So everybody can see, there's a total of six
13 listed.

14 DR. WAKEFIELD: Is that the e-mail that I
15 sent?

16 DR. SAMET: Yes, it is.

17 DR. WAKEFIELD: Okay. Well, that's just
18 some additions that I found in relation to the
19 Anderson reference, which has now been published in
20 Tobacco Control. So instead of Anderson in press,
21 it's Anderson 2011. And I think another paper by
22 Anderson was left out of the reference list, which

1 was the document, the paper on the document
2 reviews, looking at the methodologies that had been
3 used. So that needed to be added. And the
4 Anderson review on menthol and smoking cessation
5 was in the reference list and shouldn't have been.

6 Also, I think just a date change, which was
7 a typo in one part of the chapter, so pretty small.

8 DR. SAMET: So, generally, sort of minor
9 editorial cleanup for this one.

10 DR. WAKEFIELD: Yes.

11 DR. SAMET: And the block of text on
12 page 59.

13 DR. WAKEFIELD: Yes.

14 DR. SAMET: Okay. Any comments about
15 Melanie's suggestions?

16 [No response.]

17 DR. SAMET: Okay. Other comments on
18 Chapter 5?

19 [No response.]

20 DR. SAMET: Okay. Then let's move to
21 Chapter 6. This is Effects of Menthol Cigarettes
22 on Initiation, Addiction and Cessation. Again,

1 this one with perhaps more changes than the prior
2 chapters that we've looked at, description of the
3 Hersey study on page 104 and a fair amount of
4 cleanup of the text.

5 Comments here? Yes, Dan?

6 DR. HECK: Just a general comment. I
7 continue -- and I think we've discussed this
8 previously. I continue to have some discomfort
9 with the reliance on the model presented by
10 Dr. Mendez, not so much because it does
11 comprehensively include many of the factors that
12 might play into this equation, but I think our
13 confidence in some of those input values for that
14 model calculation is not really justified within
15 the data. So I just wanted to indicate that I
16 continue to have some discomfort with that.

17 We have a key reliance on a single paper,
18 the Nonnemaker study, that drives the entire output
19 of the model, and, to me, that's a kind of thin
20 basis for undue reliance on the outputs of the
21 model.

22 DR. SAMET: Okay. We'll come, I think,

1 further on to the model and how it's described.

2 The one comment that -- of course, one thing
3 that the modeling approach does make clear is
4 exactly what data we are relying on.

5 Dorothy?

6 DR. HATSUKAMI: Yes. Just going back to
7 some of the changes that were made in this
8 particular chapter. Just re-reading it, I didn't
9 have any problems with the editorial changes. I
10 think this was one of the last chapters to be
11 reviewed, and it was during the end hours. So
12 that's why you see a lot of the editorial changes.
13 But there were a few corrections that needed to be
14 made, and they're very minor.

15 Jon, did you want me to present those here?

16 DR. SAMET: Sure. Yes. That would be very
17 appropriate. Please do.

18 DR. HATSUKAMI: Okay. So on page 124, this
19 is just a clarification. It's the second paragraph
20 from the bottom. There is a sentence in that
21 particular paragraph that starts out "Four studies
22 found that menthol cigarettes." In the second

1 line, it talks about that these studies were
2 primarily experimental laboratory studies conducted
3 with African American and white. It should say
4 "female smokers." So that's just a point of
5 clarification.

6 DR. SAMET: Wait one moment, Dorothy.

7 [Pause.]

8 DR. HATSUKAMI: Do you want me to --

9 DR. SAMET: Hang on one second. I think
10 we're almost there.

11 [Pause.]

12 DR. SAMET: I've actually written "female"
13 now 100 times with my pen.

14 [Laughter.]

15 DR. SAMET: Okay. Dorothy, move on.

16 DR. HATSUKAMI: Jon, would it be easier if
17 we just looked at this and then I would send the
18 comments?

19 DR. SAMET: I think it's best if we run
20 through them.

21 DR. HATSUKAMI: Okay. So on page 144, at
22 the bottom of the paragraph, it says -- it's the

1 sentence that says "and because of the large sample
2 sizes of most." It should say "most studies." I
3 guess "studies" was omitted.

4 DR. SAMET: 144. Just a moment. The
5 electronic world is catching up with you here.

6 [Pause.]

7 DR. SAMET: Okay. Keep going.

8 DR. HATSUKAMI: Okay. On the next page,
9 145, I think there's the second paragraph, and it
10 says "five of the eight." There was a correction
11 that said the original text is seven. That
12 original text was correct. It should have said
13 "five out of seven studies."

14 DR. SAMET: Okay.

15 DR. HATSUKAMI: On page 145.

16 On page 146, in the second paragraph, there
17 is a reference that is missing. It is in the
18 middle of the second paragraph, and it starts off
19 saying "Another trial" -- excuse me -- "Another
20 trial recruited from the five Veterans'
21 Administration Medical Centers." There should be a
22 reference that -- the Foulds, et al, 2008 reference

1 inserted.

2 DR. SAMET: So you want that "Another trial
3 recruited from five Veterans' Administration
4 Medical Centers," and that is Foulds, et al.

5 DR. HATSUKAMI: Yes, Foulds, et al, 2008.
6 That was the number, left out.

7 There is just one other one, so you'll be
8 relieved to know.

9 DR. SAMET: Dorothy, actually, can you go
10 back to that sentence, the one where you wanted to
11 put Foulds, et al, and just make sure I understand
12 what it means? "Another trial recruited from
13 enrolling smokers who were older." And then it
14 goes on to say "Based on a study." I'm not quite
15 sure it follows.

16 DR. HATSUKAMI: You're right. It looks like
17 something is missing from that sentence.

18 No, that's right. "Another trial recruited
19 from five Veterans' Administration Centers,
20 therefore, enrolling subjects who were older
21 and" -- I think that -- actually, the reference
22 should be after "therefore, enrolling subjects who

1 were older."

2 So "Another trial recruited from five
3 Veterans' Administration Medical Centers,
4 therefore, enrolling subjects who were older," and
5 Foulds should be inserted there. I think that
6 makes sense still, Jon. Okay.

7 DR. SAMET: And then the contrast you're
8 implying is a study by Okuyemi?

9 DR. HATSUKAMI: So, basically, that's the
10 section that describes some of the limitations of
11 various studies that they -- some of them had a
12 select population of subjects. So with the Cropsey
13 study, they were female prisoners. With the VA
14 studies, they tended to be older. And with the
15 Okuyemi study, I think it was mostly focused on
16 African American or just a racial population.

17 So discussing the select -- the population,
18 the selected population in these studies.

19 DR. SAMET: Okay. And next?

20 DR. HATSUKAMI: And then the last one is on
21 Table 4 on page 173. And at the very bottom, it
22 says "follow-up rat." It should say "follow-up

1 rate."

2 DR. SAMET: Let's see. This is the bottom
3 of page 170-which, Dorothy?

4 DR. HATSUKAMI: It's page 173.

5 DR. SAMET: I'm looking for the rat
6 reference -- oh, the footnote. Okay. All right.

7 DR. HATSUKAMI: Yes.

8 DR. SAMET: Okay. Thank you for finding
9 that.

10 DR. HATSUKAMI: Okay. I think those were my
11 additional corrections.

12 DR. SAMET: Okay. Let me ask if there are
13 others on the committee with, again, comments on
14 this chapter, which had a number of editorial
15 changes made to it.

16 DR. HATSUKAMI: Oh. Actually, Jon, I forgot
17 one other one. I apologize for this. It was
18 brought up by one of the tobacco companies,
19 Lorillard, and it's on page 133. Sorry about this.

20 The section that says "Cessation in adults,"
21 it should read "27 studies," not 25, but 27.

22 DR. SAMET: Okay. All right.

1 Let's see. Dana, did you have --

2 MS. SHELTON: I was just going to point out
3 on page 107, second paragraph, second sentence, I
4 think we mean "2010" instead of "3010" for the
5 submission. I think it's just an error in the
6 date.

7 DR. HATSUKAMI: Hopefully, we're not
8 reviewing this in 3010.

9 [Laughter.]

10 DR. SAMET: Got it, got it, got it. That
11 was anticipatory in a thousand years. Okay.

12 Other comments? Dan?

13 DR. HECK: Just to kind of follow-up on
14 Dorothy's mention from the Lorillard commentary
15 that we had before us, there are a number kind of
16 small errors in counts of studies and things like
17 that represented in the Lorillard comment here.

18 I don't know what the best way might be to
19 consider those for adoption. Unfortunately, the
20 Lorillard comment was categorized kind of topically
21 rather than by chapter, so it's a little hard to
22 follow all of those, but there are some other

1 examples in there

2 There's an example, too, from one of the
3 tables in this -- I think it was from the Foulds
4 group. I'm not quite remembering where it
5 occurred. It must have been in this chapter, where
6 there was a misreading of the statistical
7 significance from the data table. I can try to
8 find that.

9 Now, I don't know if this would be more
10 appropriate to talk about during the public
11 submissions discussion or to try to ferret out some
12 of those corrections that were pointed out.

13 I did see, and I was pleased to see, the
14 clarification and the revision here between the
15 prevalence of smoking and reference for menthol. I
16 think the terminology now in the corrected form is
17 much more clear on that point.

18 DR. SAMET: Thanks. Let me ask Corinne
19 about this.

20 If there are -- and I understand that this
21 is a fairly lengthy document that was put together
22 quickly, and there may be things like 25 instead of

1 27 studies and such, and there have been a number
2 of careful reads of this by the industry and
3 others.

4 Is there a way that such comments, if viewed
5 as corrections, can be made in a simple way?

6 DR. HUSTEN: Do you think you can go through
7 it and identify a little more clearly by chapter
8 where you think there are discrepancies? I think
9 that's going to be the easiest.

10 DR. HECK: Yes. The comments that come to
11 mind, it looks like they're on or about page 12,
12 13, maybe 14 of the Lorillard submission, some
13 fairly trivial, just accounts of studies don't
14 quite match.

15 DR. HUSTEN: Actually, I was wondering if
16 you had a way of translating from that into where
17 it is in the chapter in the document in any kind of
18 easy way.

19 DR. HECK: Not before me. I have it in
20 spreadsheet form, but I don't have that before me
21 here. There are additional rather small errors in
22 the main -- errors and omissions.

1 DR. SAMET: After the open public hearing,
2 when we return, we're having committee discussion,
3 the item on receiving public comments. And there
4 are a number of public comments received on the
5 report.

6 If, at that point, it were possible to
7 perhaps take a look at these -- I've asked whether
8 they could be put on the screen. I don't know
9 whether that's possible or not.

10 Can we put up these --

11 DR. HATSUKAMI: I think that's a good idea.

12 DR. SAMET: If we could put up those pages.
13 But why don't we wait? We'll come back to that,
14 because we have that as a -- that's sort of our
15 item 2 for committee discussion after the open
16 public hearing.

17 DR. HUSTEN: Jonathan? One thing is, if you
18 have it on a spreadsheet, Dan, if you could,
19 between now and the end of the break, sort of pull
20 that together, access it. I'm just trying to
21 think -- it would just be easiest for the committee
22 if it cross-referenced a bit to the actual

1 document.

2 DR. HECK: Maybe I can, as I sit here, just
3 highlight some of the more accessible straight
4 corrections that might be incorporated.

5 DR. HUSTEN: Jonathan, does that work for
6 you?

7 DR. SAMET: Yes. Also, looking at
8 just -- Dan, you're referring to the Lorillard
9 comments specifically.

10 DR. HECK: Yes.

11 DR. SAMET: So I'm going to suggest we
12 figure out how to get these up after the open
13 public hearing, and, in the meantime,
14 consider -- continue our own -- let's hold on these
15 until we come back after the public hearing.

16 Okay. So we were in Chapter 5-6, right?
17 Let me get my bearings here.

18 DR. NEZ HENDERSON: Jon, I have a question
19 on page 111, on figure 8, at the top.

20 DR. SAMET: Okay.

21 DR. NEZ HENDERSON: It's very blurry. I'm
22 just wondering is there a way to make that clearer

1 for readers? The printed copy is just -- I can't
2 read it.

3 DR. SAMET: That sounds like that can be
4 fixed.

5 Okay. Other comments on this chapter?

6 [No response.]

7 DR. SAMET: Okay. Then this will take us
8 up -- so this takes us up to now page 188, which is
9 Chapter 7. This is the effects of menthol on the
10 disease risks of smoking. I think Neal and I
11 largely authored this.

12 DR. BENOWITZ: This looks fine to me.

13 DR. SAMET: So comments here from anyone?

14 DR. CLANTON: This is Mark. I agree with
15 what's there. I would make sort of a general
16 editorial comment, which is we want to make sure
17 that the reading audience does not misinterpret
18 this chapter for public health impact. This is
19 basically talking about comparative risk between
20 menthol and non-menthol cigarettes.

21 I don't think we actually include that
22 anywhere to make it clear that we're not talking

1 about the actual impact on lung cancer rates, for
2 example, of menthol cigarettes. So that's just a
3 general comment to be made, but not necessarily to
4 be reflected in what we have here.

5 DR. SAMET: So, Mark, let me ask. If you
6 look at the opening paragraph, the introduction,
7 page 188 --

8 DR. CLANTON: Yes.

9 DR. SAMET: -- so it's fairly explicit what
10 it's about. Are you suggesting there might be a
11 sentence as to what it's not about?

12 DR. CLANTON: Absolutely. It seems kind of
13 a clear, straightforward thing, but I have a real-
14 life concern that people will confuse the fact that
15 there's no real difference in the comparative risk
16 of menthol cigarettes versus regular cigarettes,
17 that that still might be confused with the issue
18 that in excess of 80 percent of cigarettes smoked
19 by African Americans are menthol cigarettes and,
20 consequently, most of the lung cancer that African
21 Americans get comes from those cigarettes.

22 So I just don't want comparative risk in any

1 way confused with the more important issue of
2 actual health impact of smoking a menthol cigarette
3 on lung cancer, for example. So I actually think
4 it's redundant, but it's probably a still important
5 thing to say.

6 DR. SAMET: So just looking at the start of
7 that paragraph, it could say this chapter addresses
8 the specific question of comparative risk.

9 DR. CLANTON: Yes. That would be helpful.

10 DR. SAMET: Would that be sufficient?

11 DR. CLANTON: Halfway there, but I'll take
12 that.

13 DR. SAMET: Okay.

14 DR. BENOWITZ: I think we could add more to
15 say that this chapter looks at the intrinsic risk
16 of smoking menthol versus non-menthol cigarettes
17 for an individual, but does not look at the impact
18 of menthol cigarettes on the risks for populations,
19 to just make it really clear.

20 DR. CLANTON: Thanks, Neal.

21 DR. SAMET: So what I would actually suggest
22 is that the first sentence read "This chapter

1 addresses the specific question of comparative risk
2 of menthol compared with non-menthol cigarettes,"
3 colon, and then we leave the question, because the
4 question has been framed before. And then if you
5 would like to add a statement that follows that
6 question mark, then we should say "It does not
7 address the broader issue of public health impact,"
8 which I think was your point, Mark.

9 DR. CLANTON: Yes. It does not address the
10 broader public health impact of menthol cigarettes.

11 DR. SAMET: Okay.

12 DR. HECK: Just a suggestion, Mr. Chairman.
13 Perhaps the phrasing there does not, in its
14 entirety, address population harm or whatever, to
15 indicate, certainly, it's part of the equation, but
16 in and of itself, individual risk or whatever, it
17 doesn't tell the whole story, I think.

18 DR. SAMET: I think Mark is just wanting to
19 put in a warning here to the readers. Maybe
20 another clarification. So right now, just the
21 first sentence, at least in my rewriting of it,
22 reads "This chapter addresses the specific question

1 of comparative risk of menthol compared with non-
2 menthol cigarettes," colon, and then we give the
3 question, because that will be consistent with the
4 questions we phrased earlier.

5 Then the sentence I've added says "It does
6 not address the broader public health impact of
7 menthol cigarettes," which we could say, comma,
8 "the topic of chapter" -- I guess it's Chapter 8,
9 if I can remember. I think that would --

10 DR. CLANTON: I just want to make this
11 point, not to drawn this out, but in looking
12 through Chapter 8, we now extensively discuss, for
13 example, the fact that African Americans have
14 disproportionate and disparately high lung cancer
15 rates. We actually don't talk about that there,
16 because there is the overarching issue of
17 cigarettes cause cancer, and it doesn't matter
18 whether you're smoking a menthol cigarette or a
19 regular cigarette. And African Americans had more
20 lung cancer per 100,000 than any other population
21 group. We don't really drill down into that. So
22 that's why I thought it was helpful not to kind of

1 defer that to the general knowledge of some other
2 part of the report, but to simply say that this
3 issue of comparative risk does not speak completely
4 to the larger issue of disease rates, not disease
5 risks, but disease rates.

6 So, again, I don't want to draw it out, but
7 I think it is important for the reader to
8 understand that distinction, because we don't go
9 in-depth into lung cancer rates and other cancer
10 rates or even heart disease rates related to
11 cigarette smoking in Chapter 8.

12 DR. SAMET: Right. So I think in the spirit
13 of what you're looking for, without adding an awful
14 lot -- I recognize that there are many topics that
15 we didn't cover that might be relevant, but just
16 to -- I think in the spirit of addressing your sort
17 of wanting to warn the reader about what is here
18 and versus perhaps what is to come, I just want to
19 make sure that we're all in agreement.

20 Right now, I'll propose my rewording,
21 because it's sitting in front of me.

22 DR. CLANTON: I thought Neal's -- Neal's

1 sentence I thought captured the spirit of what it
2 is and what it isn't.

3 DR. SAMET: I think I've got that in the
4 sentence I have. So we have the first sentence
5 reading, "This chapter addresses the specific
6 question of comparative risk of menthol compared
7 with non-menthol cigarettes." And then at the end
8 of the question mark would come "It does not
9 address the broader public health of menthol
10 cigarettes, which is covered in Chapter 8." Well,
11 its impact, which is what's covered.

12 Neal and Mark, comments further?

13 DR. CLANTON: Well, when we get to
14 Chapter 8, we might want to look specifically at
15 the points where we talk about rates per 100,000 of
16 lung cancer, and if it's there, then that's
17 adequate.

18 DR. SAMET: Yes. I'm sticking with impact,
19 in part, because that's the phrasing we've used
20 throughout the report.

21 DR. CLANTON: Impact is fine, but what we're
22 talking about, the impact is on disease and disease

1 rates. That's what impact is. It's not a general
2 undefined concept.

3 DR. SAMET: But we've also used, for
4 example, impact to refer to increased numbers of
5 smokers or deferred to say lower quitting rates.
6 So I think we'd have to think a little broader.

7 Neal?

8 DR. BENOWITZ: Well, in Chapter 8, on
9 page 220, where we basically say that the
10 availability of menthol cigarettes could adversely
11 affect public health through two consequences,
12 increasing the risk for disease caused by smoking a
13 cigarette, which is what Chapter 7 deals with, or
14 increasing the number of people who smoke. But we
15 could use this text in Chapter 7, as well. I think
16 that makes it quite clear.

17 DR. SAMET: We could or, simply, I've made a
18 reference to Chapter 8 in what follows, which
19 should cover it.

20 Dan?

21 DR. HECK: I think if, indeed, the committee
22 does want to put in some phrasing with reference to

1 the disparities in lung cancer, for instance,
2 particularly in African American males, I think it
3 would be important for us to include the well-
4 established fact that those excess disease burdens
5 are also manifested in non-smokers.

6 So I think we don't want to over-interpret
7 the relation of excess disease risk in black
8 Americans to the menthol preference because that
9 disparity is seen also in people who don't smoke.

10 DR. SAMET: Are you aware of lung cancer
11 rates for African American never smokers?

12 DR. HECK: Yes. Yes. I think the Jamal
13 reviews and -- well, any number of reviews, I think
14 we see that the rate of lung cancer in non-smokers,
15 although it's certainly lower, is also
16 disproportionately high in African Americans,
17 particularly males, who don't smoke.

18 DR. CLANTON: And at what rate?

19 DR. HECK: I don't know. Certainly, the
20 rate in non-smokers is rather lower, but it's
21 rather higher in African Americans, particularly
22 males, than it is in equivalent white males.

1 DR. CLANTON: I understand. It's just that
2 the term "high" is a relative term, and we actually
3 have absolute numbers for African Americans who
4 smoke and we have absolute numbers related to their
5 lung cancer rates.

6 So I would be happy to look at that, but we
7 would need to know some absolute number to
8 understand its magnitude. So higher and/or higher
9 probably doesn't help here, particularly since we
10 have absolute numbers for increased risk of African
11 American smokers and lung cancer.

12 DR. HECK: I believe Jamal 2009 has that
13 number, but I will have to look at that reference.
14 I have it on my machine.

15 DR. SAMET: You might do that. I'm just
16 thinking offhand about whether there are cohorts in
17 which actually rates of lung cancer have been
18 measured in African American never smokers, and
19 perhaps the only one that even comes to mind is the
20 cohort being done by the Vanderbilt Group that we
21 heard from on the menthol issue, but I'm not aware
22 they have published rates.

1 We assembled all these data from around the
2 world about two years ago, and I just, Dan, don't
3 recall any data.

4 Mark, I do think I understand some of the
5 spirit of what you're saying. I also want to
6 remind you that we really did not, as a committee,
7 review the more general problem of tobacco-caused
8 disease in African Americans or other special
9 populations in this report. So I think we have to
10 be very, I think, restrictive in what we do as we
11 look at -- take a last look at the menthol report
12 today.

13 So why don't we -- we can revisit this text
14 on Chapter 7 after we look at Chapter 8. I think
15 any wordsmithing here needs to be relatively
16 limited and placed within the context of data we've
17 already gathered for this report.

18 So other comments on Chapter 7?

19 Dan?

20 DR. HECK: I had one, but, unfortunately,
21 I've lost the page for the moment. There is some
22 discussion with reference to some of the Altria

1 Philip Morris experimental studies, Rustemeier and
2 perhaps Carmines, suggesting that -- and with
3 citation of I think one of Stan Glantz's
4 analyses -- menthol increases the particulate
5 matter and small particulate matter in cigarette
6 smoke.

7 Those authors in that paper explained that
8 phenomenon, which basically this was an observation
9 seen in experimental cigarettes, with very heavy
10 loading, 18,000 parts per million of menthol. And
11 the reason for that increased delivery of -- well,
12 what we call particulate matter, really
13 droplets -- is the transfer of the mass of the
14 intact menthol in a quantitative way into the
15 smoke.

16 So I think it's a little misleading to think
17 that the statement implies that menthol increases
18 tar. It doesn't increase the tar generated from
19 cigarette tobacco, which is, of course, the tar of
20 concern. Those highly loaded experimental
21 cigarettes just transfer a lot of the excessive
22 loads of menthol into the experimental smoke

1 condensate.

2 So I thought that section could use some
3 clarification, lest the reader conclude that
4 menthol results in higher tar as a general case,
5 particularly in commercial cigarettes.

6 I think we saw the same sort of perhaps --

7 DR. SAMET: Dan, if I can interrupt, it's
8 page 206.

9 DR. HECK: And I think we saw some of the
10 same sort of misinterpretation of those findings in
11 some of the other analyses that the FDA prepared,
12 with a statement that menthol increases nicotine
13 delivery in some fashion. I just think that's not
14 a scientifically sound conclusion. There are very
15 clear reasons why, in the experimental cigarettes
16 that were being discussed, nicotine yield may be
17 higher or lower, but it really wasn't due to the
18 menthol.

19 DR. SAMET: Let's see. Neal, look at
20 page 206. This is the sentence that starts
21 "Several studies have shown that menthol." I think
22 that one problem sentence now is it increases the

1 amount of tar and fine particles in cigarette
2 smoke. So there's a definitional problem, I mean,
3 tar referring to the filter deposited material,
4 fine particles. There's a little bit of ambiguity
5 here.

6 Dan, I think what you're trying to say is
7 that you would like this to read "Several studies
8 have shown that high levels of menthol in
9 experimental cigarettes."

10 Is that what you're suggesting?

11 DR. HECK: Yes. Those high levels are
12 transferred and captured on a glass fiber filter,
13 but I think it would be erroneous to call -- it is
14 tar, by definition, but it's not the kind of tar
15 that we're concerned about generally.

16 There is some percentage of menthol in the
17 condensate collected from those cigarettes.

18 DR. BENOWITZ: I forget the studies. Was
19 that demonstrated or is that hypothesized that
20 effects on the tar particles are just due to
21 capturing more menthol?

22 DR. HECK: Yes. There have been chemical

1 analyses. And I don't recall the exact number, but
2 the percentage of menthol in these highly loaded
3 experimental cigarettes is in the percent rate of
4 the captured condensate, and that's where the extra
5 mass comes from, from the delivery of menthol.

6 In other ingredient studies, we have the
7 same phenomenon. And this was discussed at some
8 length by, I think, the Carmines paper accompanying
9 that series from Philip Morris, because it's a
10 problem in interpreting the study.

11 Do you express your histopathology findings
12 or whatever per cigarette or per unit tar? Both
13 can be informative, but cigarettes, particularly
14 with high loadings of experimentally added
15 ingredients, deliver oftentimes high levels of
16 those ingredients into the captured condensate.
17 But this wouldn't be a phenomenon you'd see in
18 commercial levels of usage.

19 DR. BENOWITZ: As I read this paragraph, one
20 of the concerns is not so much whether there are
21 carcinogens in these tar particles. It really is
22 the effects of particulates, per se. And I'm not

1 sure we know whether the extensive database on
2 particulates would vary as a function of whether
3 it's because there's more menthol in the particles
4 or not.

5 This raises the concern that if you increase
6 particulate matter -- other studies suggest that
7 particulates are associated with some risks, like
8 cardiovascular disease. I don't think we know what
9 constituents of the particulates really cause
10 cardiovascular disease.

11 DR. HECK: That's certainly true with
12 particularly the environmental particulates, like
13 diesel soot and traffic pollution. But we have to
14 remember that these cigarette smoke droplets are
15 droplets rather than dry ash particles in the main.
16 There is some carbon content, certainly, but most
17 of these experimental studies in the animal
18 exposure, in particular, are done based on matching
19 total particulate material in the breathing zone of
20 the animal.

21 So the question generally asked, is the
22 smoke particulate material at an equal level of

1 aerosol exposure more or less or equally toxic in
2 terms of generating histopathology in the animal
3 studies, and that was the purpose of this
4 particular study that's described here.

5 DR. BENOWITZ: I think this paragraph is not
6 definitive. It just really says that it raises
7 concerns, and I think those concerns are still
8 there, even though it may not be a concern if we
9 had more data. But I still think that it does
10 raise concerns that need to be addressed. I would
11 favor not changing it.

12 DR. SAMET: So let me ask, should it say,
13 for the point of characterizing the studies
14 correctly, "Several studies have shown that high
15 levels of menthol" -- I think that was one of the
16 points that you made, Dan, earlier.

17 DR. HECK: Yes. And that would hold for
18 high levels of propylene glycol or whatever the
19 test article was. But the Carmines 2002 paper,
20 kind of introductory paper to that series, goes
21 into this and explains this phenomenon.

22 The concern I had with I think one of the

1 FDA white papers citing the Baker work from BAT,
2 which was basically similar, concluding that the
3 added ingredient increased the nicotine, it was,
4 again, I think, a misinterpretation and one of the
5 difficulties we have in trying to do these studies
6 with exaggerated levels of the ingredients.

7 DR. SAMET: Okay. I'm going to suggest that
8 we make that addition that I said. Also, the
9 Rustemeier reference is not in the reference list
10 right now. So we probably should look at that. It
11 looks to be omitted.

12 DR. HECK: I'm not sure that 2001 date is
13 correct for that. It may be 2002 on the
14 Rustemeier.

15 DR. SAMET: Okay. We need to check that,
16 but there's no reference by that author on the
17 list.

18 DR. HECK: Okay. I think some of the Altria
19 people here may know right offhand. I have it on
20 my machine, as well.

21 DR. SAMET: Okay. Well, we will make sure
22 we have that, but it's not in.

1 So other comments on Chapter 7?

2 [No response.]

3 DR. SAMET: Okay. Then on to Chapter 8.

4 And here I'm going to suggest that we, since this
5 is where we get into important findings, perhaps
6 look at it just page-by-page to make sure we have
7 the opportunity to discuss everything here.

8 So let's start with page 215. That's the
9 first page of Chapter 8, see if there are comments
10 here.

11 Here, on this page, they're all editorial,
12 page 215. And then page 216, again, editorial
13 changes. And 217, these are editorial changes, and
14 this is a summary summarizing the answers to
15 questions.

16 218? Okay. 219? Okay, then 220. Here we
17 have our overall conclusions. Okay. And then at
18 the bottom begins the section that addresses public
19 health impact. And then to 221, where there's a
20 paragraph that was moved. And 222 is the table.
21 This is the results from David Mendez from the
22 modeling.

1 223 -- 224, table added. Okay. And then
2 225, the overall recommendation that we'll come
3 back to and some moved text and some deleted text
4 on 225. Okay. And then 226, some more rewordings
5 of substantial material, so if everybody could just
6 take a look at that.

7 Okay. Then 227, and then topics for
8 research, 228.

9 So let me ask again. This is certainly
10 important material with some changes, and see if
11 anybody has comments about these.

12 DR. CLANTON: It mostly looks like editorial
13 cleanup.

14 DR. SAMET: Yes. Now, Mark, I just want to
15 make sure that in terms of my suggested rewording
16 in Chapter 7 in reference to public health impact
17 in Chapter 8, that I've satisfactorily addressed
18 the concern you raised.

19 Again, I take your point about the
20 disparities for African Americans and rates of
21 tobacco-related diseases and some other
22 populations, but that's not a topic that we

1 covered, except in the most general of ways.

2 DR. CLANTON: Well, I think a valid comment
3 would be, particularly with the material in that
4 final paragraph, is that we've only described
5 public health impact in terms of the number of
6 people -- excess number of people who would smoke
7 or excess deaths.

8 So, again, this turns out not to be about
9 disease or smoking's impact on them, but it is what
10 it is, which is the public health impact, as
11 defined by more people smoking and potentially more
12 deaths based on the model.

13 DR. SAMET: That's correct. Okay. Let me
14 ask, then, before we leave this aspect of our
15 business today, just to make sure there's no one
16 else on the committee who has other comments on
17 these changes.

18 Patricia?

19 DR. NEZ HENDERSON: Yes. This is just some
20 editorial comments throughout the paper to make
21 sure that -- in some places, particularly in
22 Chapter 4, African American is hyphenated in the

1 table, so get rid of the hyphenation between
2 African-hyphenated-Americans. And then some of the
3 chapters, the fonts are different. So I guess
4 these are just editorial things that we can
5 address, but that's it.

6 DR. SAMET: Let me just ask Corinne.

7 What happens when this is finally done? Are
8 you re-posting on the Web? Will there ever be a
9 hard copy that you would put on your coffee table?

10 DR. HUSTEN: We will be posting it on the
11 Web.

12 DR. SAMET: But the coffee table edition is
13 not coming out.

14 DR. HUSTEN: You may have to self-publish on
15 that one.

16 [Laughter.]

17 DR. SAMET: All right. So before we go on
18 to the open public hearing then, anything else?

19 [No response.]

20 DR. SAMET: Okay. All right. Good. Well,
21 thank you for the discussion. I think we have
22 track of all these changes.

1 So what I would suggest we do is we go on to
2 the open public hearing, and after that, we will
3 take a brief break.

4 **Open Public Hearing**

5 DR. SAMET: Both the Food and Drug
6 Administration, FDA, and the public believe in a
7 transparent process for information-gathering and
8 decision making. To ensure such transparency at
9 the open public hearing session of the advisory
10 committee meeting, FDA believes it is important to
11 understand the context of an individual's
12 presentation.

13 For this reason, FDA encourages you, the
14 open public hearing speaker, at the beginning of
15 your written or oral statement, to advise the
16 committee of any financial relationship that you
17 may have with the sponsor, its product, and, if
18 known, its direct competitors.

19 For example, this financial information may
20 include the sponsor's payment of your travel,
21 lodging or other expenses in connection with your
22 attendance at the meeting.

1 Likewise, FDA encourages you, at the
2 beginning of your statement, to advise the
3 committee if you do not have any such financial
4 relationships. If you choose not to address this
5 issue of financial relationships at the beginning
6 of your statement, it will not preclude you from
7 speaking.

8 The FDA and this committee place great
9 importance in the open public hearing process. The
10 insights and comments provided can help the agency
11 and this committee in their consideration of the
12 issues before them.

13 That said, in many instances and for many
14 topics, there will be a variety of opinions. One
15 of our goals today is for this open public hearing
16 to be conducted in a fair and open way, where every
17 participant is listened to carefully and treated
18 with dignity, courtesy and respect. Therefore,
19 please speak only when recognized by the chair.
20 Thank you for your cooperation.

21 I think we have only one public speaker
22 today, Jim Tozzi, from the Center for Regulatory

1 Effectiveness.

2 Mr. Tozzi, if you're ready, you have
3 10 minutes, not an hour.

4 [Laughter.]

5 MR. TOZZI: Thank you, Mr. Chairman.

6 I'm Jim Tozzi, with the Center for
7 Regulatory Effectiveness. We're a regulatory
8 watchdog, and we receive grants from virtually
9 every industrial sector, including the tobacco
10 industry.

11 I was pleased when I signed in today that I
12 was given, for the first time, as the number one
13 speaker, but the FDA staff then informed me that
14 that should not go to my head, that I was the only
15 speaker.

16 [Laughter.]

17 MR. TOZZI: The point that I want to make
18 today is just a very, very basic point. The fact
19 that the FDA and TPSAC continually, for whatever
20 reasons, refuse not to address the adverse impacts
21 of counterfeit tobacco, I think puts a cloud over
22 this proceeding, because, as in the points that

1 I'll make, there are a lot of proceedings around
2 the world that address this particular issue.

3 However, I'm heartened by the fact that FDA
4 is going to have this peer review, which I'm going
5 to mention in a second, and I think all
6 stakeholders and FDA have the opportunity to
7 examine and put as part of the record the adverse
8 impacts associated with the use of counterfeit
9 tobacco.

10 In my opinion, the crux of the issue is
11 this. It's very difficult, I understand, for a
12 public health body, such as TPSAC, hopefully not
13 FDA, but possibly, to make the following statement,
14 and a statement that I think the record
15 demonstrates with some clarity that is supported by
16 this very lengthy proceeding of this body is a
17 statement that one would say "Do not smoke. But if
18 you do, don't smoke counterfeit cigarettes."

19 I understand the institutional bias and the
20 concern for a body like this to make such a
21 statement, but I'll be interested if anyone knows
22 of any facts that would make one suggest that that

1 statement is not accurate.

2 Now, given that, the focus of CRE from the
3 initiation of this proceeding was to look at the
4 adverse impacts of counterfeit tobacco. Initially,
5 we were going to look solely at contraband, but as
6 we got into the record, we saw very clearly that,
7 in our mind, a huge and very extremely important
8 issue is that associated with the health effects of
9 these cigarettes.

10 Now, we felt so strongly about that that we
11 spent considerable resources and developed an
12 interactive public docket devoted entirely to
13 counterfeit cigarettes, and that docket is called
14 the "Counterfeit Cigarettes and Enforcement Forum."

15 It has three objectives. The first
16 objective is to have a living compendium of what's
17 going on in this massive world of counterfeit
18 cigarettes. The second is to take that data and
19 relate it to the health effects of people that
20 smoke these types of products. And third, it is a
21 networking forum for law enforcement agencies that
22 use it very heavily. And we have locations around

1 the world that give us data, and we report on
2 enforcement actions taken throughout the world, and
3 law enforcement agencies use it and they come back
4 and post some of their successes on the site.

5 Now, since we last met, I've had an
6 opportunity to spend a little bit more time on
7 counterfeit cigarettes, and I want to share with
8 you what I think at least was an alarming event to
9 me was that I initially, when I looked at this, it
10 was very clear that the counterfeit market was made
11 by organized crime around the world and large
12 purchasing cartels. But what came out in my most
13 recent inquiries is that the average citizen has
14 immediate access to contraband cigarettes way
15 beyond any mechanism that I knew existed.

16 In your break, just go to your computer, put
17 into a search engine "cheap cigarettes." What will
18 come up on that site is area after area where you
19 can purchase counterfeit cigarettes for \$20 a
20 carton, \$2 a pack.

21 If you compare the \$2 a pack with going
22 rates of \$8 to \$12, you'll see the average citizen

1 has now immediate access to counterfeit cigarettes.
2 It will even tell you when you order them -- I got
3 on, they're all around the world, they speak in any
4 language you want -- they'll ask you the tax stamp
5 of the state that you want. They guarantee five to
6 seven days delivery and very minimal shipping
7 costs.

8 So the point I'm making is that this is not
9 an economist saying that this is some real far-
10 fetched thing. Just get on the net and you'll see
11 the impact that it has. And I'll tell you, there
12 is not one case that asked me my age, because they
13 know I'm so old anyway. But in most cases, you
14 don't have any age checks on this stuff or
15 anything. Just press a button, and they're
16 delivered in five to seven days.

17 My attorneys say I can't tell you that I
18 bought them because it's probably illegal, but I'm
19 just telling you that you can buy them.

20 Now, what is the next step? We felt so
21 strongly that this thing of counterfeit cigarettes
22 are growing so fast, that we submitted to you a

1 compendium of 20 studies that we looked at that
2 examined the health effects of these, and I'll
3 quote, within the next three and a half minutes,
4 just to finish up, that they're done by leading
5 academicians, government agencies around the world,
6 and researchers. And there is one, just for
7 example, that's done by the Mcfarlane Burnet
8 Institute for Medical Research and Public Health in
9 Melbourne, Australia. It's indicative of the
10 studies being done by other governments on the
11 health effects of counterfeit cigarettes.

12 They quote-unquote, "In multivariate
13 analyses relative to smokers of illicit tobacco,
14 current users of illicit tobacco had significantly
15 greater odds of beginning smoking at a younger age.
16 Second, 6 percent greater odds of reporting below
17 average social functioning and nearly twice the
18 odds of reporting a measurable disability."

19 So the point that I'm making is that other
20 governments are on top of this, and I humbly
21 suggest that our government look at these effects
22 because the research program is going

1 away (indiscernible).

2 Now, let me give you another example. If
3 you want to look at this, you go to where the
4 action is, and there is a lot of it in China, huge
5 amounts of it in China. And we have now the
6 access. We have an office in Brazil, we have
7 Webmasters around, and we penetrate these sites
8 into China. And you can't look at the ones in
9 English; you've got to look at the ones in Chinese.
10 And our Webmasters go into there, take the data out
11 in Chinese and translate it.

12 Let me tell you what the Chinese government
13 has and has hidden in back of one of their websites
14 about these cigarettes. They say, "Many
15 counterfeit cigarette manufacturers use mostly
16 tobacco waste, poor, substandard tobacco, even
17 moldy leaf tobacco. Counterfeit cigarettes and the
18 filter paper use inferior quality products, even
19 waste or contaminated products. Studies show that
20 counterfeit combustion will produce a larger
21 quantity of 3,4-benzopyrene." It goes on and on
22 stating the negative, very negative impacts of

1 these cigarettes.

2 So where does this lead me? I think that if
3 FDA and TPSAC cannot address, per se, these issues,
4 they have to open the door for the public to tell
5 people how bad these operations are. I'm not even
6 asking you to say whether a menthol ban or anything
7 else affects the contraband, but the mere existence
8 of contraband cigarettes in this proceeding, I
9 think, needs to be addressed.

10 If the Chinese can make statements about
11 that, about counterfeit drugs, I most certainly
12 don't know why a leading health agency of the
13 world, like FDA, cannot alert the public to this.
14 And I think the counterfeit cigarettes issue is not
15 going away. It's going to be a cloud over and a
16 discussion over the topic of TPSAC and the
17 regulation of the tobacco industry, because that
18 presence doesn't go away. The price differentials
19 are too good and there's immediate access to kids,
20 like I've told you.

21 Finally, in the next 42 seconds -- to be
22 sure, Chairman, I will stay in my timeframe -- I

1 wanted to compliment the FDA on what they said
2 early this morning. They are having a peer review
3 of this subject. I want to emphasize to all
4 stakeholders, that peer review is done pursuant to
5 data quality guidelines issued by OMB under the
6 Data Quality Act, and the peer review is subject to
7 statutory standards and regulatory standards for
8 completeness. Most agencies, they get to this
9 point, they don't publicize the peer review or they
10 duck it, and I compliment you all for standing on
11 this very important issue.

12 Thank you very much.

13 DR. SAMET: Thank you. You did have two
14 seconds left.

15 Let me ask if the committee has questions.

16 Jack?

17 DR. HENNINGFIELD: The statement that TPSAC
18 has ignored the countervailing healthy effects of
19 menthol ban is just, frankly, incredible. It
20 ignores the many hours that we've spent on this
21 topic. It ignores the considerable deliberation
22 and public testimony, consideration of that

1 question-and-answer. That's all for the public
2 record. This is including our discussion of how
3 you would even go about providing a third of a
4 billion cigarettes per day to 10 to 15 or more
5 million menthol smokers by these various
6 mechanisms. It ignores the report itself.

7 My conclusion is that to create these
8 alarming conclusions, you, frankly, have to
9 misrepresent some of the facts. You have to ignore
10 the ongoing health disaster of menthol use. You
11 have to ignore the potential health benefits of a
12 menthol ban.

13 The report does make clear that contraband
14 is an issue that has to be addressed. The report
15 does make clear that this committee is not the
16 committee with the expertise to design the
17 mitigation strategies that would need to accompany
18 a ban. And any ban that occurred would have to
19 occur in the context of some approach to mitigate
20 the problems that have been addressed and
21 surveillance to detect the problems in a timely
22 manner. That's all part of the law.

1 So my own view is that the report has
2 thoroughly considered the topic and has proposed an
3 approach to go forward.

4 DR. SAMET: That's a comment, Jack, and not
5 a question, I think.

6 DR. HENNINGFIELD: That's a comment.

7 DR. SAMET: Okay. Other comments or
8 questions, on the phone or from FDA?

9 Okay. Thank you.

10 Dan?

11 DR. HECK: I just have one question for Jim.
12 I'm just curious about this. I think it was a
13 recent Euromonitor report, I believe, that had a
14 statement that 10 percent of the cigarettes
15 consumed worldwide are contraband; in Germany,
16 40 percent of the cigarettes sold.

17 Do you have any sense in the U.S. how big
18 the existing contraband market is or is that a
19 knowable number?

20 DR. SAMET: Dan, do you mean contraband or
21 do you mean counterfeit?

22 DR. HECK: I guess I mean all of the above,

1 counterfeit, contraband, untaxed, bootlegged,
2 smuggled. Do you have any sense of how much of the
3 U.S. market that pervades?

4 MR. TOZZI: I can give you some estimates,
5 but I must say, they have not been replicated. The
6 majority of the work done on
7 contraband -- Dr. Samet, by the way, I'm talking
8 about counterfeit cigarettes instead -- has been
9 done in other countries.

10 There are people that have rejected that
11 20 percent here. But I've seen the numbers, but I
12 haven't replicated them, so I cannot -- the
13 literature, very smart. But in terms of amounts of
14 cigarettes coming in, the DEA has a considerable
15 amount of data on it, but we don't know how many
16 are contraband or counterfeit. But the current
17 study is around 20 percent, but CRE has not
18 replicated that number.

19 DR. SAMET: Jack?

20 DR. HENNINGFIELD: I think what complicates
21 issues and numbers like this is that a lot of that
22 contraband are tax-free cigarettes manufactured by

1 the companies that are represented, that are
2 smuggled from one state to another to avoid taxes,
3 not cigarettes made in caves in China, as was
4 illustrated in an earlier presentation here.

5 DR. SAMET: Well, I think you've highlighted
6 the fact that this issue is not neglected in our
7 report, and we suggested that this may need further
8 inquiry.

9 So let me see if there are any other
10 questions or comments.

11 [No response.]

12 DR. SAMET: Okay. Then if not, the open
13 public hearing portion of this meeting is now
14 concluded, and we will no longer take comments from
15 the audience.

16 The committee will now turn its attention to
17 address the task at hand, the careful consideration
18 of the data before the committee, as well as the
19 public comments.

20 Actually, we will turn our attention to
21 break, and I suggest that we break until 11:00.

22 (Whereupon, a recess was taken.)

Committee Discussion

DR. SAMET: If everyone could please take their seats, we'll get started.

We are moving on to continue our discussion of the menthol report, and we are going to remember, at the end, to have a vote on the report.

Is everybody back on the phone? Do we have Melanie still with us?

DR. WAKEFIELD: Yes, I'm here.

DR. SAMET: Okay. And, Mark, you're back, you're here? Dorothy?

DR. HATSUKAMI: Yes.

DR. SAMET: Okay. Thanks. Thanks for hanging in. Okay.

So what I would like to do now is to go to the second item for discussion. This is the public comments. We actually have had public comments here. Public comments have come in on the posting. And I want to see if there are any changes that anyone wants to suggest or discuss in light of the public comments that we received.

Dan, just to go back to you for a moment on

1 the Lorillard comments, do you want to comment? My
2 feeling is that we might be able to -- perhaps if
3 there are minor changes, let's say numbers of
4 studies, that kind of thing, that those could be
5 tracked down and made, but perhaps outside the
6 context of this discussion now.

7 DR. HECK: Yes. I apologize, Mr. Chairman.
8 In trying to look through those comments, and since
9 they aren't organized by chapter, I really had more
10 difficulty than I thought finding the specifics.

11 There are some individual little comments in
12 there. I think we'd call them some minor points
13 that could fit into the current conversation, but I
14 really don't think, in the interest of the time we
15 have, that it would be useful to try to do that.

16 As long as those comments and the others are
17 before the FDA for their consideration, I would not
18 have anything else to say in detail on those.

19 DR. SAMET: Okay. Thanks. And we
20 appreciate the reading of the report and,
21 obviously, we want it to be as accurate as
22 possible. And I think if there are changes that

1 need to be -- they can be pinpointed, these minor
2 sorts of editorial changes, I think they can be
3 sent on to make corrections, if I understand you.

4 Corinne?

5 DR. HUSTEN: Definitely, as we're
6 considering the information, if there are some
7 things that it's the wrong citation or
8 inadvertently the wrong year, send that to us
9 because as we're doing our review, obviously, we
10 want to be reviewing accurate information. So any
11 of that is helpful to us.

12 DR. SAMET: Okay. In addition to these more
13 minor changes, looking over the public comments
14 that were received, there were some that were more
15 substantive, some getting at issues of framework
16 and other matters.

17 I just want to make certain that the
18 committee has reviewed those, certainly looked at
19 them all, and see if anyone wants to bring up any
20 matters from those comments for discussion.

21 On the phone?

22 [No response.]

1 DR. SAMET: Okay.

2 Yes, Dan?

3 DR. HECK: If I might, Mr. Chairman. I
4 would encourage FDA and, indeed, the peer
5 reviewers, yet unnamed, who will review the FDA's
6 independent summary of this, to give fair and
7 reasonable and equitable consideration of some of
8 the underlying information we have before us, the
9 industry report, the Altria report submitted last
10 year, and then, I guess, an update to that
11 submitted before us today for the meeting.

12 I think that's a very worthy and thoughtful
13 document, and I would direct you, in particular, to
14 the Altria submission that's before us today on
15 these topics of initiation, dependence, cessation,
16 these more difficult to quantify behavioral
17 parameters.

18 Looking again at that Altria submission
19 that's in the packet today, I don't think I've seen
20 a more concise and clear analysis of that topic.
21 If you look at anything in that report, look at
22 those pages, pages 14 through 21. The TPSAC

1 report, the industry menthol report go into more
2 detail on those, but just in a few pages there, I
3 thought those authors did a real good job of kind
4 of summarizing the state of the science.

5 DR. SAMET: Okay. Corinne?

6 DR. HUSTEN: Dan, I was
7 wondering -- obviously, we are at FDA reviewing
8 everything very carefully. I was wondering if,
9 though, for the committee, if you would like to
10 highlight anything in particular.

11 DR. HECK: Well, the authors in that
12 PM-Altria submission explain the rationale and the
13 state of the literature, mixed or inconclusive or
14 whatever, on those subjects and justify their own
15 conclusions regarding does menthol affect smoking
16 initiation differently, concluding there that the
17 evidence is inconsistent, recent evidence, in
18 particular.

19 Their overall conclusion, the evidence is
20 inadequate to confer the presence or absence of a
21 causal relationship between the use of menthol in
22 cigarettes and smoking initiation. And I think

1 they've laid out, again, in quite a compressed and
2 short form, their analysis of the literature.

3 They conclude, also, that the evidence is
4 suggestive of no causal relationship between the
5 use of menthol in cigarettes and increased
6 dependence. And, similarly -- these subjects are
7 all intertwined, of course -- that there's no
8 causal relationship between the use of menthol
9 cigarettes and smoking prevalence.

10 So there's only a few pages summarizing the
11 literature, and I think it's a pretty accessible
12 way to get to at least this other independent
13 analysis of these topics.

14 DR. SAMET: Okay. One moment, Jack.

15 I just wanted to check who is on the phone.
16 Melanie, you're still with us?

17 DR. WAKEFIELD: Yes, I am.

18 DR. SAMET: And, Dorothy?

19 DR. HATSUKAMI: Yes, I am.

20 DR. SAMET: And, Mark, are you there?

21 DR. CLANTON: I'm here.

22 DR. SAMET: All right. Good.

1 Jack?

2 DR. HENNINGFIELD: I did review the Altria
3 comments and the industry report again. It doesn't
4 lead me to suggest any changes, and I don't see
5 anything fundamentally new from what we've heard
6 from the industry in testimony up to this point
7 that's fundamentally different.

8 The Altria sections that you mentioned, in
9 my own opinion, miss the forest by focusing on
10 specific trees. I think on the topics of
11 initiation, cessation, especially in youth for
12 initiation and transition to dependence, when we
13 have findings, they are generally in the direction
14 of increased initiation, increased transition to
15 dependence.

16 The general conclusion that there's no
17 disproportionate effect of menthol on any
18 demographic group flies in the face of all of the
19 evidence that we've seen in toto. So I have looked
20 at it. I don't see anything that would lead me to
21 change anything that's in the TPSAC report.

22 DR. SAMET: Okay. Other comments? I might

1 make one, in part, because the framework that we
2 used is important, and there were a number of
3 comments, I think largely from the industry, about
4 the framework we used and the concept of equipoise.

5 That term is a well established term, I
6 think often used particularly in the clinical
7 trials literature for where the evidence stands.
8 It was not unique or particular to the report on
9 Veterans' compensation, but was used there because
10 it was thought to be a reasonable point to bring to
11 the attention of decision makers.

12 I think the logic was the same in our
13 committee's using equipoise and noting where the
14 evidence stands, because in the end, presumably,
15 this or other reports will become part of the basis
16 for decision making, and there are further comments
17 on the strength of the evidence as it moves into
18 higher categories.

19 I'm quite familiar with the Surgeon
20 General's criteria, having been the senior
21 scientific editor for the 2004 report, and I think
22 as a general comment there, there are gradations of

1 the strength of evidence that are within the
2 categories given. They are simply not linked to a
3 particular point where the strengths of the
4 evidence or the extent of evidence as weighed
5 against uncertainty is viewed as reaching a point
6 of equipoise or not.

7 So I think the idea of categorization, the
8 strength of evidence is similar, one set of
9 categories, those used in the menthol report,
10 simply have an anchoring point. And it put the
11 burden on us as identifying where the evidence
12 stood as we tried to look at what we know versus
13 what we don't know.

14 So I think it's important to note that,
15 because I think our conceptual basis for
16 classifying the evidence is laid out in Chapter 1,
17 or Chapter 2, and some of these connections were
18 made. But because there was so much response to
19 this point, I just wanted to add this to our
20 discussion.

21 Neal?

22 DR. BENOWITZ: I'd like to make one comment

1 on one set of criticisms of the report which had to
2 do with looking at analyses by either all menthol
3 smokers, whites and blacks together, or by looking
4 at state-by-state differences, just to make the
5 point that smoking behavior is so complicated that
6 it really -- we're looking at a combination of
7 effects of products and effects of marketing and
8 effects of culture, and you can't separate those
9 out.

10 So the fact that you might find an effect in
11 African Americans, but you don't find it in whites,
12 to me, does not argue against any causal
13 relationship. Really, the marketing and the
14 culture of menthol use among African Americans is
15 so different than whites. And I really think that
16 that argument, that because you see it in one group
17 but not another means that there's no effect, is
18 not a viable argument.

19 The second kind of argument was made that if
20 you look at the percent of menthol use versus the
21 prevalence of smoking in different states, that
22 it's not strongly correlated. Again, states are so

1 different in terms of local public health policies
2 involving smoking, the culture of smoking from
3 state to state. I really don't think that is a
4 valid comparison to look at that. One really has
5 to look at within states and within a given public
6 health environment and within a given culture.

7 So there were a number of arguments like
8 that made, and I think one really needs to look at
9 the combination of the product and the marketing
10 and cultural environments.

11 DR. SAMET: Okay. Any other comments here?
12 Anyone on the phone, just to make sure you're not
13 forgotten? Again, we're still with sort of item 2
14 on our agenda for 11:00 to 12:00.

15 [No response.]

16 DR. SAMET: Okay. Then let's go on to item
17 3, and we're going to take this on, and because of
18 its importance, go around the table and talk about
19 this individually.

20 So item 3 says in the menthol report, TPSAC
21 made the following recommendation: removal of
22 menthol cigarettes from the marketplace would

1 benefit public health in the United States. And
2 our charge as we go around to discuss this is to
3 state whether we agree or disagree and provide a
4 basis for that agreement or disagreement.

5 So I think what we'll do is I'll start and
6 state that I do agree with this statement. And,
7 again, much of this comes from how we put the
8 evidence together in our overall framework and
9 model for looking at those aspects of the process
10 leading from experimentation to initiation, to
11 eventual causation of disease by smoking, looking
12 at those steps and identifying where the
13 availability of menthol compared to non-menthol
14 cigarettes -- remember our so-called counterfactual
15 which underlies this discussion.

16 We identified several points where the
17 evidence would suggest that, in fact, there was an
18 adverse impact on public health. And the model,
19 the work done by David Mendez, using parameters
20 based on the literature, acknowledging that there's
21 uncertainty, there was always uncertainty, still
22 gave us a quantification of that public health

1 impact, suggesting that indeed it was substantial
2 and adverse.

3 So that is my reasoning for agreeing with
4 the recommendation that was made.

5 So I think what we'll do first is go next to
6 Karen.

7 MS. DELEEUW: I would also agree with the
8 recommendation, and, certainly, Dr. Mendez's
9 population dynamic model played an important role
10 in coming to that conclusion. And looking even at
11 the low estimates, the smoking attributable deaths
12 and deaths averted if menthol is banned was, I
13 think, pretty compelling.

14 I continue to have concerns over the high
15 menthol cigarette use among minority youth and the
16 continuing rise of menthol cigarettes among
17 adolescents and youths. And I also found the
18 information presented by Anne Hartman from the 2010
19 tobacco use supplement of the current population
20 survey, the question, if menthol cigarettes were no
21 longer sold and asking that to people who smoked
22 menthol, and that response being 39 percent of

1 those respondents said they would quit, and among
2 the African American population, 47 percent said
3 they would quit.

4 So those are some of my reasons.

5 DR. SAMET: Neal?

6 DR. BENOWITZ: I would support the
7 conclusions, and I'll make a few comments in
8 response mostly to the criticisms. First, I have
9 to say that it is true that the data are not as
10 extensive as we would like. That's always the
11 case, and the issue here, I think, is how long you
12 wait for more and more data. If we wait five
13 years, we'll have more data, if we wait 10 years.
14 But there's always a potential public health cost
15 of waiting, and we need to weigh the decisions that
16 we think we can make pretty well with existing data
17 versus waiting more and more years and more and
18 more costs of health.

19 So I think that's part of the problem. We
20 would always have liked to see better data and more
21 data, more extensive data, especially longitudinal
22 data, but we basically looked at what we had

1 available.

2 There were some criticisms about the
3 biological plausibility in terms of specific
4 receptors or, rather, how much desensitization
5 there is, but I think it's really clear that
6 menthol has got effects. People who smoke menthol
7 characterizing cigarettes like them. They like the
8 menthol taste. Menthol reduces the harshness.

9 No matter what you say about it, there is
10 something about menthol which makes it more
11 attractive to some smokers and they like it and
12 they smoke, in part, because of that. So no matter
13 what you say, there's a clear biological
14 plausibility that menthol is responsible for some
15 people smoking who would not otherwise smoke.

16 The key issue in terms of the model, I think
17 it was the Nonnemaker study. That's the one
18 longitudinal study that really looks at the effects
19 of early use of menthol on persistence of smoking,
20 which is a really key issue. We had that one
21 study. It was not the biggest study, it was not
22 the most representative study, but that study

1 raises very serious concerns that there is an issue
2 that starting with menthol means that you are less
3 likely to smoke later on. And given that those are
4 the data we have, to me, I think those were very
5 important data.

6 The data on level of dependence, there
7 doesn't seem to be convincing data for adults. The
8 data for adolescents do seem more compelling. I
9 think one needs to look at the trajectory of
10 developing dependence, and if menthol is operating
11 in some of the ways that it might be, what it might
12 do is accelerate the development of dependence,
13 which would be seen in adolescents, but not
14 necessarily in adults. So the fact that you see it
15 one group but not the other is not bothersome to
16 me. I think it makes sense.

17 So I think, in conclusion, the tobacco
18 industry documents themselves acknowledge that if
19 some people really like menthol, they may smoke
20 those cigarettes and they choose it just like they
21 choose any other flavor. And if menthol was not
22 there, fewer people would smoke cigarettes. That's

1 an important fact.

2 Menthol is not intrinsic in cigarettes and
3 if menthol makes more people smoke, if it makes
4 cigarettes more addictive for some people,
5 especially if it's combined with marketing, that is
6 a serious public health problem.

7 So in balance, I think that while there are
8 some mixed data, while our report is not as
9 complete as it might have been if we had more time,
10 that the data are sufficient for me to support the
11 conclusion that it's a public health problem.

12 DR. SAMET: Thank you, Neal. I just want to
13 make one correction. In describing the results of
14 the Nonnemaker study, you had a momentary misspeak
15 when you said menthol cigarettes would make it less
16 likely. I think you meant to say more likely, just
17 to correct that.

18 DR. BENOWITZ: Yes.

19 DR. SAMET: Okay. Jack?

20 DR. HENNINGFIELD: I also support
21 conclusion 3. On Neal's comments, I agree that on
22 the addiction issue, menthol probably contributes

1 to addiction by many different mechanisms, making
2 it easier to self-administer the nicotine in
3 addicting doses, serving as what we call a
4 discriminative stimulus in a condition of re-
5 enforcer, its role in marketing, perceptions that
6 it may contribute to less hazardous cigarettes.

7 All of these things are hard to disentangle.
8 So when you look at just one, you're missing the
9 forest for the tree.

10 Frankly, indeed, the main concern of the
11 industry is loss of market. And let's be clear,
12 loss of market will result from more people
13 quitting, from fewer young people starting, from
14 fewer people who do try smoking making the
15 transition to addiction. That's good for public
16 health. That's what this is all about, and that
17 translates to fewer premature deaths and disease
18 and disability. That's what this is about. So I
19 think we can't forget that. That's real.

20 Furthermore, in terms of demographics and
21 populations, youth are disproportionately hurt.
22 African Americans and other minorities are

1 disproportionately hurt and will be helped.

2 So those are the main benefits. I think the
3 damages and benefits are clear. There are concerns
4 that are some theoretical and some plausible, like
5 contraband, that need to be addressed, that I
6 believe can be addressed. But those are matters
7 that can be worked out through the public comment
8 and rulemaking process.

9 DR. SAMET: Good. Thank you. Patricia?

10 DR. NEZ HENDERSON: I agree with the
11 recommendation and, like my colleagues, the
12 evidence is strongly there.

13 I go back to our first meeting, or I think
14 it was on the second day when we were
15 discussing -- there was a presentation on the
16 demographics. And then after that, there was a
17 series of presentations that were made by the
18 industry. And the question was asked, do you
19 target African American communities, and the person
20 responded from the industry "no."

21 For me, that really stood out and as we
22 began to get more information and more data, it

1 clearly shows that there was targeted marketing and
2 why there is increased preference for menthol
3 smokers among African Americans.

4 So all this came together at the end as we
5 were putting the document together, that there is
6 targeted marketing. There are definitely higher
7 rates of smoking of menthol cigarettes among
8 African Americans, which is, for me, very
9 disturbing. And as we look at the data, the
10 industry has done a great job in that. And
11 it's -- so, therefore, I agree with the statement,
12 and no comments.

13 DR. SAMET: Thank you. Let's go to the
14 phone. Melanie?

15 DR. WAKEFIELD: Yes. I also agree with the
16 recommendation. For me, overall, I've been struck
17 by the weight of evidence or the complementarity of
18 evidence from different fields of inquiry that
19 we've looked at.

20 I suppose, given my background in psychology
21 and communications and marketing, I found
22 particularly persuasive the evidence that marketing

1 of menthol cigarettes has targeted the young and
2 African Americans. And it is absolutely no
3 accident that these are exactly the two groups that
4 have high proportions of smokers who smoke menthol.

5 I also thought there was strong evidence
6 that some of the early menthol marketing messages
7 promoted explicit health benefits. As time has
8 gone by, this has given way to sort of more the use
9 of color and imagery and descriptive terms and so
10 forth. And we see from the literature and the
11 evidence that consumers mistakenly interpret these
12 queues to imply reduced harm.

13 I think some of the literature on perceived
14 harm was conflicting. It wasn't straightforward.
15 But I think when you really weigh the studies and
16 take account of the methods used and pay most
17 attention to the studies that use the most
18 appropriate research designs and methods of
19 questioning, you see that there is strong evidence
20 that consumers have beliefs about implicit health
21 benefits of menthol cigarettes. And that's
22 especially the case amongst African Americans.

1 But one of the things that has really
2 impressed me about the literature is that the
3 public health problem is not just due to marketing.
4 It's also about the menthol product itself. And I
5 had not read much about menthol before I embarked
6 upon this exercise, and I was most persuaded by the
7 careful analysis of the evidence in Chapter 6,
8 which really shows that the harm caused by menthol
9 cigarettes is also related to the gateway or
10 induction role in providing an easier passage into
11 regular smoking and progression towards addiction
12 among young people.

13 It seemed to me that this evidence came from
14 multiple lines of inquiry about issues of uptake
15 and addiction, and it included a well conducted
16 cohort study. And the conclusion relating to
17 uptake and addiction was very much complemented I
18 think by the evidence that addition of menthol,
19 through its cooling properties, likely reduces the
20 perception of harshness or throat grab when
21 cigarettes are inhaled. And for me, that provides
22 a pathway through which menthol could facilitate

1 progression towards regular smoking in the young.

2 I also appreciated the careful analysis of
3 the literature and the evidence on cessation and
4 the finding that menthol reduces the likelihood of
5 quitting, particularly in African Americans. And
6 sifting through those studies was complicated, but
7 I do think that a terrific job was done there by
8 giving weight to the larger population surveys that
9 had the largest sample sizes and the widest age
10 ranges and enabled a good comparison of quit rates
11 in various racial and ethnic groups.

12 Then I think coming back to the marketing
13 and consumer perception, again, just the fact that
14 we did find in the consumer perception literature
15 that African Americans are particularly the ones
16 that have beliefs about implicit health benefits of
17 menthol cigarettes. So these misconceptions could
18 be one of the factors that undermines their success
19 in quitting.

20 So I think, in summary, really, for me, it's
21 the cohesiveness, I think, of the evidence across
22 these different areas of literature that we've

1 looked at. That is the most persuasive thing to
2 me.

3 DR. SAMET: Okay. Thank you. Dorothy?

4 DR. HATSUKAMI: Well, I don't really have
5 very much to add to what has already been said.
6 But I, too, thought the conversion of evidence was
7 also very persuasive in terms of agreeing with the
8 recommendation that we have made.

9 So I think some of the additional
10 information that wasn't spoken about was the
11 finding that there does seem to be a higher
12 proportion of menthol cigarette smoking among youth
13 smokers compared to the adult smokers, and the fact
14 that even among the youth smokers, you see a higher
15 proportion of menthol cigarette smoking compared to
16 the older adolescent population.

17 I think there was really quite a lot of
18 consistency in those findings, as described in
19 Chapter 6 and in Table 1. And this type of
20 gradient isn't necessarily seen with non-menthol
21 smokers, and that was described in a paper by
22 Giovino in 2004.

1 So this gradient is of real particular
2 concern, the fact that there is a significant
3 number of our youth smokers smoking menthol
4 cigarettes, because that, of course, is the
5 particular age where people may begin smoking.

6 So I think that was very compelling
7 information, as well as the real concern, as Karen
8 had pointed out, that there is a trend upward
9 towards adolescent smokers smoking menthol
10 cigarettes, whereas you don't see that necessarily
11 with the non-menthol cigarette products. And the
12 upward trend may not necessarily be seen in such
13 products, such brands such as Newport, but you do
14 see that upward trend in some of the other brands,
15 such as the Marlboro Menthol or the Camel Menthol
16 cigarettes. So that again is of real concern.

17 I know that the tobacco companies have
18 talked about the fact that the prevalence of
19 smoking is reducing among adolescent smokers. Yet,
20 one of the analyses that was conducted by Giovino
21 had demonstrated that the slope is different, that
22 you see a steeper slope among the non-menthol

1 adolescent smokers compared to the adolescent
2 menthol smokers. So I think that that is also of
3 concern.

4 I know that there has been a lot of
5 criticism regarding the Nonnemaker article that our
6 TPSAC committee had relied upon. But as Neal had
7 said, this was really the only article that was
8 available that carefully looked at this issue, and
9 it was an article that TPSAC committee members
10 looked at. And in spite of its limitations, we
11 believed that it was very persuasive in showing
12 that the initiation with menthol cigarettes may
13 increase the risk for more established smoking, as
14 well as dependence.

15 I think although there was no evidence to
16 support that adults were more dependent on menthol
17 cigarettes compared to adults smoking non-menthol
18 cigarettes, I think the evidence in adolescents was
19 very persuasive.

20 The majority of the studies that we looked
21 at had been published, they were scientifically
22 sound, and they used various indicators of

1 dependence, and they were conducted in a large
2 population of adolescents.

3 I don't think -- in looking at some of the
4 documents the tobacco companies had submitted, the
5 ones by Lorillard, as well as Altria, as well as
6 the one in the big red book, I don't think they
7 paid enough attention to that particular topic.

8 So with regard to cessation, I agree with
9 Melanie that I think that there is very strong,
10 sound evidence in indicating that the African
11 American population, in particular, experience less
12 cessation success if they smoke menthol versus non-
13 menthol cigarettes.

14 I have to admit that this is a difficult
15 body of literature review, because there are so
16 many different types of studies. Some of these
17 studies have non-representative population of
18 smokers, some of them have small sample size when
19 you're examining sub-population of smokers, and
20 they also have term criteria of cessation, and
21 there were a number of other issues, as well.

22 I believe that in the Lorillard document,

1 they indicated that cessation should be defined as
2 six months or longer, but I'm not really sure
3 whether that's really the best criteria to use in
4 evaluating this body of literature.

5 So I think, actually, the most informative
6 studies on this issue are the national surveys and,
7 as Melanie had pointed out, it's because they're
8 the most representative sample of smokers.

9 If you do take a look at the literature, as
10 I had mentioned, some of the samples looked at
11 female prisoners, or they were older samples, or
12 they had chronic obstructive lung disease. So I
13 think the surveys are the ones to really focus on
14 to examine the role of menthol on cessation.

15 So in light of the data from the national
16 surveys that assessed the effects of menthol on
17 different populations of smokers, I was really
18 struck by the consistency of results when
19 independent investigators analyzed the same survey,
20 but also the consistency of results across surveys,
21 particularly with NHIS and the CPS test, the survey
22 data.

1 It was noted by one of the documents that we
2 had forgotten to mention the Mendiondo report in
3 2010. So I did take a look at that article, and I
4 must have inadvertently missed it, because -- we
5 may have missed it because the title wasn't
6 necessarily reflective of cessation.

7 I analyzed the data and that, too, that
8 database, too, also showed that there was a lower
9 quit ratio among the black menthol versus the non-
10 menthol smokers, and there were no differences in
11 the whites or in Hispanics.

12 So, actually, if you take a look at the
13 survey study, about six out of the eight national
14 surveys, they support the finding that black -- the
15 African American population -- do suffer
16 lower -- experience lower rates of cessation if
17 they smoke menthol. Now, most of these studies use
18 the ratio of former to current smokers, but there
19 was one study that did look at a six months period
20 of cessation, and they also found similar results.

21 The considerable concern over the lower
22 cessation rate among African Americans is

1 underscored, I think, by the high prevalence of use
2 of menthol cigarettes among this population, the
3 marketing that has been targeted toward this
4 population, and the issues of health disparities
5 associated with this population.

6 So, in summary, I believe that the rate of
7 public health harm of menthol cigarettes is among
8 our children and the minority population. And I
9 think that there is strong evidence to support the
10 conclusion that the availability of menthol
11 increases the likelihood to start using cigarettes
12 among adolescents and decreases the likelihood of
13 stop using, particularly among African Americans.

14 DR. SAMET: Okay. Thanks, Dorothy.

15 Just to make clear, actually, when you
16 began, you didn't state whether you agreed or
17 disagreed with the recommendation. So I think
18 after that long discussion, I think you agree.

19 DR. HATSUKAMI: Yes. I embedded my
20 agreement in my long discourse. So, yes. Yes, I
21 do agree.

22 DR. SAMET: Okay. Thank you. Mark?

1 DR. CLANTON: I certainly agree with the
2 conclusion of the report and recommendation of the
3 report. But I think, more importantly, by looking
4 carefully at the report, the chapters and the data
5 that was reviewed and how we weighed the quality of
6 the evidence and pushed it through the equipoise
7 model, I think the report actually supports the
8 conclusion of the report quite nicely. And I think
9 that's a small point to make, but I think it's
10 relevant, which is the report actually nicely
11 supports our conclusion.

12 It's very clear that everyone has really
13 made the major points, but I would just emphasize
14 briefly on a few of them. Dorothy did a very nice
15 job focusing on something that I wasn't aware of
16 until I took a look at the studies and data, which
17 is that menthol has and plays a very large role in
18 smoking initiation in youth.

19 Youths prefer menthol and whether it's
20 related to the careful calibration of menthol
21 levels and the effect that has on lessening
22 irritation or improving the smoking experience,

1 however that works out, it's very clear youth
2 initiators prefer menthol cigarettes.

3 Beyond use initiators, there is the use of
4 persistence. And, again, back to African Americans
5 and potentially some other groups, like Hawaiian
6 Pacific Islanders, they persist when they initiate
7 with menthol and, in fact, continue smoking and
8 become lifelong smokers. In fact, there is very
9 little switching between those two persist in
10 smoking menthol cigarettes and those who might
11 switch to non-menthol cigarettes, meaning that they
12 maintain that preference.

13 On the issue of preference, there was a
14 small thing that came up, but I think it could
15 become a major area of research, which is this
16 issue that has been made clear by both the industry
17 and by our own data, which is there is a preference
18 among youth, youth initiators and certain ethnic
19 groups for menthol, and it's going to be important
20 to answer the question why is that so.

21 So we did talk very briefly about this issue
22 of a genetic distribution of super-tasters, those

1 who detect the bitterness at fairly low levels.
2 And, again, more research in this area may help us
3 understand why groups prefer mentholated cigarettes
4 versus non-mentholated cigarettes.

5 Lastly -- actually, two last points -- the
6 population dynamics model from David Mendez I think
7 was very important. I simply feel that there will
8 be more studies, hopefully, replicating the
9 Nonnemaker study. And, again, we can run it
10 through that model, and I think that model provides
11 a very nice quantitative estimate of what happens
12 because of the existence of menthol in mentholated
13 cigarettes.

14 The counterfactual, by the way, I think is
15 pretty important. It looks like we have about
16 34 percent of the population who smoke, who smoke
17 menthol. In fact, if there were no menthol, there
18 would be no menthol-related adolescent smoking
19 initiation. There would not be menthol persistence
20 in certain groups, like African Americans, Hawaiian
21 Pacific Islanders, maybe even some Philippine and
22 Asian groups. That persistence wouldn't exist.

1 And, in fact, in the counterfactual, we would have
2 a considerably lower smoking rate and certainly a
3 lower health impact as a result of lower initiation
4 and persistence.

5 So those are the things that were compelling
6 to me. But I want to make the point, I think the
7 overall report, taken collectively, all the diverse
8 topics, it supports very nicely the conclusion.

9 DR. SAMET: Okay. Thank you.

10 Then what I'm going to do is go to our
11 industry representatives and then our agency
12 representatives. Dan?

13 DR. HECK: Well, I'm not privileged to vote
14 on this matter, but I'll be pleased to share my
15 impressions on this topic.

16 My opinions on this are largely represented
17 in the industry report. I do not agree that
18 menthol cigarettes have a disproportionate impact
19 on the public health relative to non-menthol
20 cigarettes.

21 I think there are some points of agreement
22 between myself and the companies I represent and

1 this committee. I think that there's broad
2 agreement on the reality that menthol cigarettes do
3 not appear to be measurably more toxic, more risky
4 to the individual than do non-menthol cigarettes,
5 based on a pretty good sized body of epidemiology
6 evidence. There does not appear to be any
7 compelling evidence from experimental toxicology
8 that menthol cigarettes are more harmful, as it can
9 be measured in animal and in vitro assays.

10 We have evidence from a good number of
11 biomarker studies, including the recent one from
12 Dr. Caraballo at the CDC demonstrating that menthol
13 smokers do not have higher exposures generally to
14 toxic smoke constituents.

15 So the question, as we work through it here,
16 does not seem -- seems to have drifted a bit from
17 the narrow question of are menthol cigarettes more
18 risky -- they appear not to be -- to these
19 behavioral aspects, smoking initiation, dependence,
20 cessation.

21 I certainly agree with some of the things
22 Neal said. These complex human behaviors are

1 indeed very complex and very much subject to
2 effects of social situations, socioeconomic
3 condition, et cetera. We've heard mention of a
4 number of studies, a good number of studies
5 demonstrating that besides the health inequities
6 and social inequities, there are associations with
7 difficult social situations and difficulty in
8 quitting or in initiating smoking, that kind of
9 thing.

10 So I think that makes it all the more
11 important that we be cautious in taking one element
12 of that complex milieu of circumstances, that is, a
13 preference for menthol cigarettes that is indeed
14 high in the African American community and high in
15 certain age groups, and take that and develop a
16 causal inference from that that menthol is causing
17 these complex behaviors, because we have any number
18 of studies from the social sciences and others that
19 demonstrate a very potent association with a number
20 of factors, poverty, stress, et cetera, and
21 smoking.

22 We've heard mention a couple times of the

1 telephone survey study that was presented here to
2 the committee where smokers and menthol smokers
3 indicated a likelihood that they would quit if the
4 cigarettes they prefer weren't available.

5 We've seen a lot of studies over the years
6 with smokers' stated intentions to quit. Few of
7 those are less than 50 percent of that population
8 and some broach 80-90 percent. So a stated
9 intention to quit, in general or given a certain
10 circumstance, is not unusual, and I don't think
11 it's unique to this situation here.

12 We've heard mentioned the fact that smoking
13 is indeed declining. Cigarette sales are in
14 decline. Menthol cigarette sales are in decline,
15 as well, albeit at a modestly lower rate. I don't
16 think that we have a sufficient compelling body of
17 evidence from soundly designed studies in the
18 behavioral areas that is adequate to support a
19 sound, defensible, regulatory, science policy that
20 treats menthol cigarettes any differently than non-
21 menthol cigarettes.

22 DR. SAMET: Thank you. And just to point

1 out that, in fact, this is not around voting. A
2 vote will come, but it's on the report.

3 John?

4 DR. LAUTERBACH: I also object to the
5 report, though, for perhaps some different reasons.
6 I'm very concerned about the science base used in
7 the report. Journal articles, which we pointed
8 out, had defects in there and in the methodology
9 are still in there without any comment to that
10 effect.

11 There's a lot of sensory data that came
12 before this committee; yet, no one asked whether or
13 not that sensory data was conducted under
14 conditions that ensures validity. Yes, you can do
15 very good sensory studies on cigarette products, as
16 most consumer products, but you have to be very
17 careful in how you control those studies in terms
18 of making sure that they're accurate.

19 The committee apparently also relied upon
20 these studies from the University of California,
21 San Francisco. I can assure you -- and I've dealt
22 with the legacy library documents since

1 1998 -- that so much of the important material was
2 missed. The committee got a very short piece that
3 is truly not representative of the menthol
4 literature that's in the legacy documents.

5 Thirdly, the journal articles that appear to
6 be cited appear to come from one sort of -- type of
7 section of the scientific journals. The journals
8 appear to be coming from -- or articles appear to
9 come from essentially anti-tobacco journals.
10 They're not across the entire spectrum of
11 regulatory journals. So, again, that raises the
12 question about how well these journals have
13 been -- the articles have been peer reviewed.

14 Fourth, we still have the issue, as
15 Mr. Tozzi presented again this morning, about
16 alternate sources of mentholated product either
17 coming in from overseas, coming in from other
18 places, things unknown.

19 That's my comments.

20 DR. SAMET: Thank you. Arnold?

21 MR. HAMM: Thank you. Let me preface my
22 comments, though, with a fact that I don't

1 particularly like the way the question is posed.
2 It's kind of like being asked to answer the
3 question, do you still beat your wife, either yes
4 or no. It's kind of hard to answer the question.

5 I can certainly appreciate all the time and
6 effort that went into the report; however, I can't
7 support the overall conclusion. I have several
8 reasons for this.

9 I don't feel the statutory requirements have
10 been fully addressed that concern contraband and
11 illicit trade. I'm not fully convinced the
12 pertinent federal agencies were consulted. We did
13 hear from an association, the National Association
14 of Attorneys General, and they essentially just
15 spoke to a tax avoidance issue, not contraband or
16 counterfeit cigarettes.

17 Personally, I feel there's been too much
18 reliance put on the legacy tobacco documents. I
19 don't view this approach as particularly scientific
20 nor particularly relevant to today's tobacco
21 industry.

22 While I can appreciate Dr. Mendez's model, I

1 think maybe too much reliance was put on it.
2 Apparently, there's only a very limited amount of
3 research put into the input data on this. And then
4 after discussing Dr. Mendez's model, I just think
5 there are too many moving parts, and it's yet to be
6 proven or validated.

7 Finally, some of the studies and reports
8 that we've seen were unpublished and probably not
9 peer reviewed. They may have been peer reviewed
10 since. That's my comment.

11 DR. SAMET: Thank you. NCI, Mirjana?

12 DR. DJORDJEVIC: I need to make a disclaimer
13 that NCI has not taken an official position
14 regarding this issue, but I can present my personal
15 views. I support all conclusions and
16 recommendations in this report, and I'm in
17 agreement with all comments which were given here
18 today by the members of TPSAC. I don't need to go
19 again over them.

20 Specifically, it is compelling evidence
21 about menthol being used as a starter product among
22 youth; that there has been exercised targeted

1 marketing to specific populations; and,
2 specifically, among African Americans, prevalence
3 of 70 to 80 percent of smoking menthol cigarettes,
4 which results in adverse health effects.

5 It was compelling modeling by Dr. Mendez
6 about the impact of removing menthol cigarettes on
7 the public health.

8 DR. SAMET: Thank you. Then Dana from CDC.

9 MS. SHELTON: As Mirjana did, I have to do
10 for CDC. CDC has not taken an official position on
11 this recommendation or the conclusions of the
12 report.

13 For me, as an individual professional in the
14 tobacco control field, I think when you look at the
15 kind of -- the body of evidence that's included in
16 the report, any aspect of a product that would
17 influence or increase use of tobacco products is of
18 concern.

19 I think the report, there's a fair amount of
20 evidence that suggests that menthol may indeed have
21 influenced rates, particularly among adolescents
22 and younger adolescents. I, as a professional,

1 find that very concerning. And, again, as I said,
2 CDC has not taken an official position on the
3 report.

4 DR. SAMET: Okay. I think as a last
5 comment, because there's been so much comment about
6 what we said and what we didn't say, we didn't use
7 the word "ban." The recommendation reads
8 "removal." And others have commented on the format
9 of this overall recommendation. I would say, I
10 would just remind everyone that beneath this, the
11 text that follows says "The Act offers a variety of
12 mechanisms for FDA to consider if it concludes that
13 it should pursue this recommendation. At this
14 time, TPSAC has no specific suggestions for
15 follow-up by FDA to this recommendation."

16 Again, I just want to remind everyone that
17 we did say that, that we are the Tobacco Products
18 Scientific Advisory Committee; that in making this
19 recommendation and addressing the question of
20 adverse public health impact, we do not explore one
21 or another potential scenario that might be pursued
22 with regard to addressing menthol cigarettes.

1 So I just wanted, again, because there has
2 been substantial discussion following our wording,
3 just to remind everyone of the wording that
4 explains the form of our recommendation.

5 Having done that, I think we've had a
6 thorough discussion and airing of this
7 recommendation.

8 Now, what we are going to do now is take a
9 vote. The voting question is, is this menthol
10 report reflecting any and all changes made during
11 today's meeting, your report, and recommendation to
12 FDA on the public health impact of menthol in
13 cigarettes?

14 So that is the question. And we're going to
15 use an electronic voting system for the meeting,
16 except that those who are on the phone are going to
17 send their votes by e-mail, I guess, to Karen.

18 Is that correct? To Tom Graham. Okay. And
19 Mark will vote verbally last.

20 So those of you who are here have three
21 voting buttons on your microphone, yes, no and
22 abstain, clearly labeled. So once we begin the

1 vote, press the button that corresponds to your
2 vote.

3 After everyone has completed their vote, the
4 local votes will be locked in. At that time, we
5 ask that the three voting TPSAC members who are
6 participating electronically submit their vote by
7 e-mail or marks.

8 We'll enter these votes into the program.
9 The final vote result will then be displayed on the
10 screen. I will read the vote from the screen into
11 the record. Next, we will go around the table and
12 each individual who voted will state their name and
13 vote into the record, as well as the reason why
14 they voted as they did, hopefully keeping that
15 explanation brief.

16 All right. We will now begin the voting
17 process for question number 4. Let's hope we get
18 this right. Please press the button on your
19 microphone that corresponds to your vote. Press
20 now.

21 [Voting.]

22 DR. HUSTEN: While they're tallying, if I

1 could just clarify, especially for folks who maybe
2 are less familiar with the process. In the voting
3 process, the industry representatives do not vote.
4 Again, there may be people in the audience who
5 haven't been here. And ex officio's do not vote
6 either. So I wanted to just clarify procedurally.

7 DR. SAMET: Okay. Good. Thank you.

8 Then I think all can see the vote here.
9 There are eight yeses and zero nos.

10 So now that the vote is complete, we will go
11 around the table and also to the telephone and have
12 everyone who voted state their name, their vote,
13 and the reason they voted as they did in the
14 record.

15 Remember, what we are voting on is this
16 question, not the one we just went through with the
17 recommendation, but this is, is this menthol report
18 reflecting any and all changes made, during today's
19 meeting, your report and recommendation to FDA on
20 the public health impact of menthol in cigarettes?

21 So to start with what I hope will be a model
22 of brevity, my name is Jon Samet and I voted yes.

1 This report has been developed by TPSAC over 10 and
2 now 11 meetings. It reflects the work of the
3 committee. And I think I will only say that I
4 think we stand by this work and our findings and
5 recommendations to FDA.

6 Karen?

7 MS. DELEEUEW: My name is Karen DeLeeuw.
8 And, yes, this is my report, and I participated
9 fully in committee proceedings and participated on
10 the writing groups, and, again, fully support the
11 recommendations in the record.

12 DR. SAMET: Neal?

13 DR. BENOWITZ: Neal Benowitz. I vote yes.
14 And while it would be nice to have much more data
15 and much more time to prepare the report, I think
16 our committee looked at the available data and the
17 data as a whole were very compelling.

18 DR. SAMET: Okay. Thank you.

19 Jack?

20 DR. HENNINGFIELD: I'm Jack Henningfield.
21 The report does represent my report and
22 recommendations, and my reason is that menthol

1 cigarette design, manufacture and marketing are a
2 cause of great harm to public health. Removal of
3 menthol has a potential to contribute greatly to
4 reduced smoking and disease. I hope FDA acts
5 expeditiously on the obvious implications of the
6 report.

7 DR. SAMET: Thank you.

8 Patricia?

9 DR. NEZ HENDERSON: My name is Patricia Nez
10 Henderson. And, yes, this is the report and the
11 recommendation to the FDA. And the reason is that
12 it reflects the work that we have done, and I stand
13 by the findings of this report.

14 DR. SAMET: Thank you.

15 To the phone. Melanie?

16 DR. WAKEFIELD: Yes. This is Melanie
17 Wakefield, and I voted yes. I confirm that I
18 participated in deliberations on the report and in
19 the writing group, and I stand by the
20 recommendations. And I also hope that the FDA acts
21 on it in a timely fashion. Thank you.

22 DR. SAMET: Thank you.

1 Dorothy?

2 DR. HATSUKAMI: This is Dorothy Hatsukami,
3 and I voted yes on the report. And I had
4 contributed to the writing of the report, as well
5 as the deliberations, and I believe that there is
6 sufficient evidence to demonstrate the public
7 health harm of menthol cigarettes.

8 DR. SAMET: Thank you. Mark?

9 DR. CLANTON: My name is Mark Clanton. I
10 was a member of the writing group, and I say, yes,
11 this is my report and does reflect the
12 deliberations and analysis and conclusion of the
13 writing group and discussions involved with
14 testimony, et cetera. So I vote yes and agree with
15 the product of the report.

16 DR. SAMET: Thank you. I think we have
17 completed the vote. I understand our next duty, I
18 thought, was lunch, but, Corinne?

19 DR. HUSTEN: I just wanted to thank the
20 committee, everyone, including our non-voting
21 members, for their hard work over the past little
22 more than a year. And I know that a lot of time

1 and effort went into this report from everyone and
2 FDA truly appreciates how much effort did go into
3 producing the report and finding the evidence and
4 synthesizing it. And as stated, we're looking at
5 all of the information that we received from all
6 parties very carefully, and we'll be taking all of
7 that into account. But I really wanted to thank
8 everybody for what I know was a large and intensive
9 amount of work.

10 DR. SAMET: Okay. Thank you. And we are,
11 speaking for the committee, glad that that work is
12 over.

13 [Laughter.]

14 DR. HUSTEN: And now you can move on to the
15 next topic.

16 **Adjournment**

17 DR. SAMET: Yes. Now we can move on to the
18 next topic. Okay. Thanks. Thanks for the
19 reminder. Before we do that, we'll break for lunch
20 and let's try -- we will reconvene at 1:00.

21 (Whereupon, at 12:12 p.m., the morning
22 session was adjourned.)